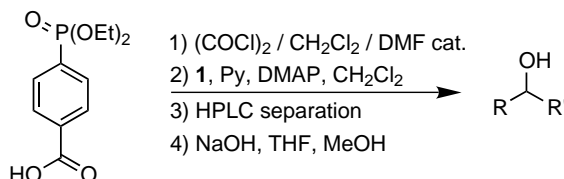
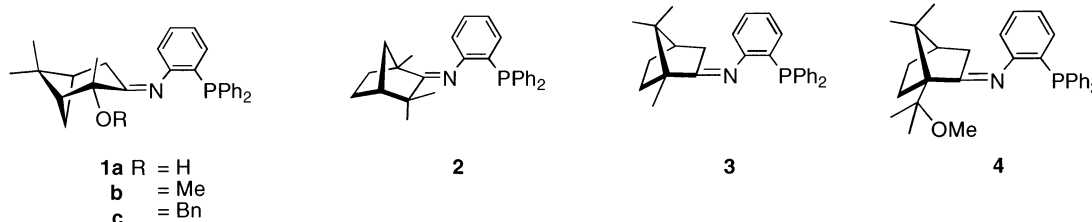
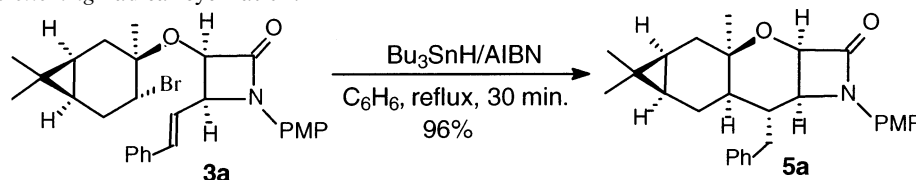


Enhanced chromatographic resolution of alcohol enantiomers as phosphate or phosphonate derivatives*Tetrahedron: Asymmetry 12 (2001) 3063*Yves Leblanc,^{b,*} Claude Dufresne,^b Rebekah Carson,^b Louis Morency^b and Christopher J. Welch^a^aMerck Frosst Centre for Therapeutic Research, PO Box 1005, Pointe Claire-Dorval, Quebec, Canada H9R 4P8^bMerck & Co., Inc., 126 E. Lincoln Avenue, PO Box 2000, Rahway, NJ 07065-0900, USA**Palladium-catalyzed asymmetric Diels–Alder reactions with novel chiral imino-phosphine ligands***Tetrahedron: Asymmetry 12 (2001) 3067*

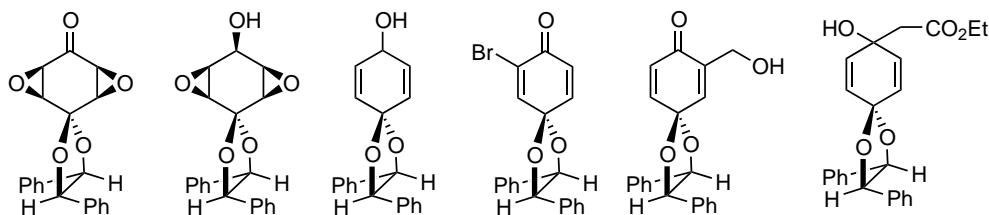
Kunio Hiroi* and Kazuhiro Watanabe

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

**Diastereospecific synthesis of novel tetracyclic β-lactams via 6-*exo-trig* radical cyclization***Tetrahedron: Asymmetry 12 (2001) 3073*Sudhir N. Joshi,^a V. G. Puranik,^b A. R. A. S. Deshmukh^a and B. M. Bhawal^{a,*}^aDivision of Organic Chemistry (Synthesis), National Chemical Laboratory, Pune 411008, India^bDivision of Physical Chemistry, National Chemical Laboratory, Pune 411008, IndiaAn efficient and diastereospecific synthesis of a tetracyclic, 3.6.6.4 ring system fused to a β-lactam has been achieved in high yield via 6-*exo-trig* radical cyclization.**From *p*-benzoquinone to useful chiral cyclohexane building blocks***Tetrahedron: Asymmetry 12 (2001) 3077*

Félix Busqué, Pedro de March,* Marta Figueredo,* Josep Font and Sonia Rodríguez

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



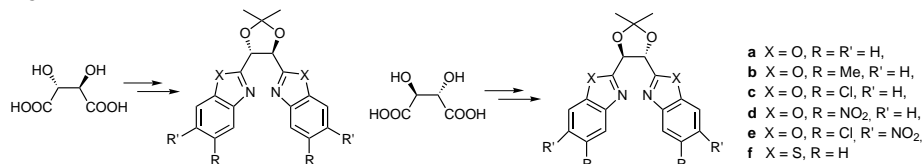
Synthesis of novel C₂-symmetric and enantiomerically pure bisbenzoxazoles and bisbenzothiazoles derived from L- and D-tartaric acids

Tetrahedron: Asymmetry 12 (2001) 3081

Peng Jiao,^a Jiayi Xu,^{a,*} Qihan Zhang,^a Michael C. K. Choi^b and Albert S. C. Chan^b

^aCollege of Chemistry and Molecular Engineering, Peking University, Beijing 100871, PR China

^bOpen Laboratory of Chirrotechnology and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, PR China

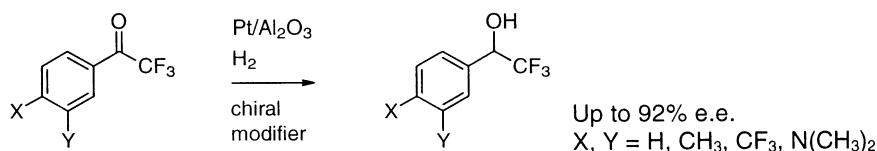


Platinum-catalyzed enantioselective hydrogenation of aryl-substituted trifluoroacetophenones

Tetrahedron: Asymmetry 12 (2001) 3089

Matthias von Arx, Tamas Mallat and Alfons Baiker*

Laboratory of Technical Chemistry, Swiss Federal Institute of Technology, ETH-Hönggerberg HCI, CH-8093 Zürich, Switzerland



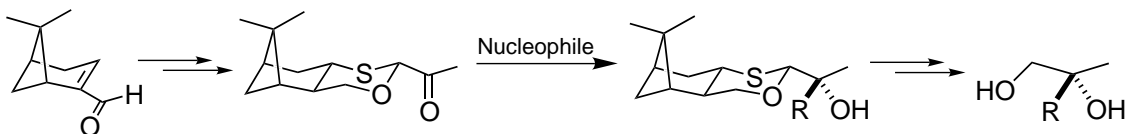
Highly diastereoselective nucleophilic additions using a novel myrtenal-derived oxathiane as a chiral auxiliary

Tetrahedron: Asymmetry 12 (2001) 3095

Federico Martínez-Ramos,^a María Elena Vargas-Díaz,^a Luis Chacón-García,^a Joaquín Tamariz,^a Pedro Joseph-Nathan^b and L. Gerardo Zepeda^{a,*}

^aDepartamento de Química Orgánica, Escuela Nacional de Ciencias Biológicas, IPN, Prol. de Carpio y Plan de Ayala, México, DF 11340, Mexico

^bDepartamento de Química del Centro de Investigación y de Estudios Avanzados, Instituto Politécnico Nacional, Apartado 14-740, México, DF 07000, Mexico



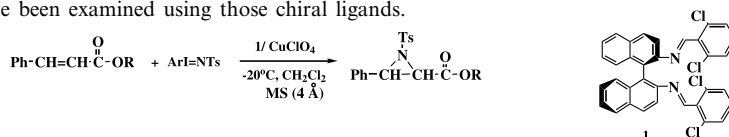
Axially dissymmetric binaphthylidene chiral salen-type ligands for copper-catalyzed asymmetric aziridination

Tetrahedron: Asymmetry 12 (2001) 3105

Min Shi,* Chuan-Jiang Wang and Albert S. C. Chan

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

Several novel axially dissymmetric chiral salen-type ligands have been successfully synthesized and the enantioselective aziridinations catalyzed by copper have been examined using those chiral ligands.



R = Me: yield = 92%, e.e. = 75% (S);

R = Ph: yield = 90%; e.e. = 88% (S);

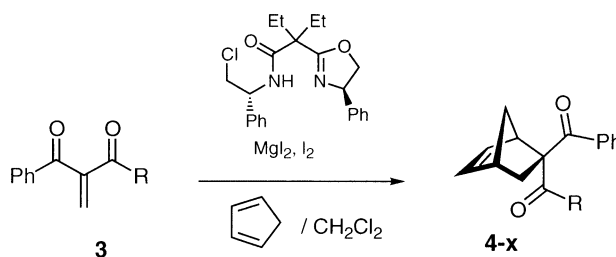
R = ^tBu: yield = 91%; e.e. = 97% (S).

**Reactivity of 2-methylene-1,3-dicarbonyl compounds:
catalytic enantioselective Diels–Alder reaction**

Masashige Yamauchi,* Takashi Aoki,
Ming-Zhu Li and Yuko Honda

Faculty of Pharmaceutical Sciences, Josai University,
Keyakidai, Sakado, Saitama 350-0295, Japan

Tetrahedron: Asymmetry 12 (2001) 3113

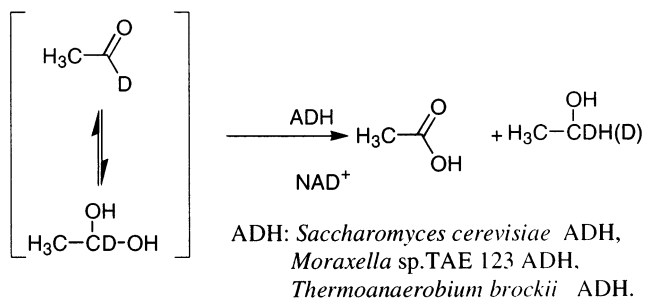


**Stereospecificity of hydride transfer during the dismutation of
aldehydes catalyzed by alcohol dehydrogenases**

K. Velonia and I. Smonou*

Department of Chemistry, University of Crete, 71 409 Heraklio,
Crete, Greece

Tetrahedron: Asymmetry 12 (2001) 3119



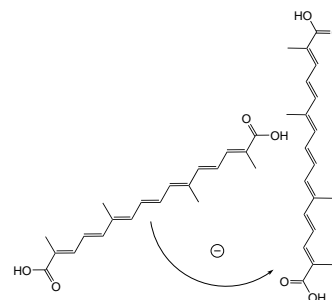
**Induced chirality upon crocetin binding to human serum albumin:
origin and nature**

Ferenc Zsila,* Zsolt Bikádi and Miklós Simonyi

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

Left-handed excitonic coupling between crocetin molecules bound on serum.

Tetrahedron: Asymmetry 12 (2001) 3125



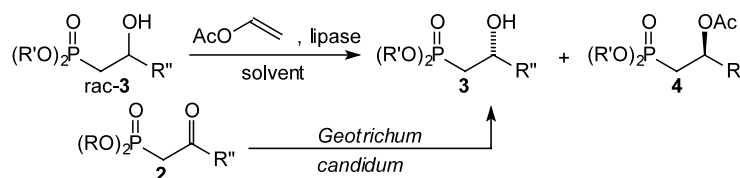
Biocatalytic syntheses of chiral non-racemic 2-hydroxyalkanephosphonates

Remigiusz Żurawiński,^a Kaoru Nakamura,^b Józef Drabowicz,^a Piotr Kielbasiński^a and
Marian Mikołajczyk^{a,*}

^aCentre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Sienkiewicza 112, 90-363 Łódź, Poland

^bInstitute for Chemical Research, Kyoto University, Uji, Kyoto 6110011, Japan

Tetrahedron: Asymmetry 12 (2001) 3139



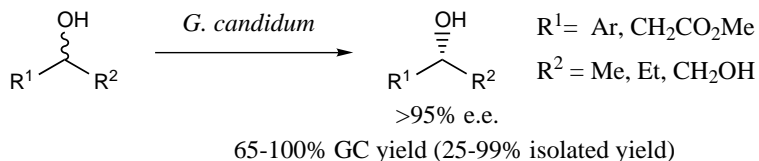
Stereoinversion of arylethanols by *Geotrichum candidum*

Tetrahedron: Asymmetry 12 (2001) 3147

Kaoru Nakamura,^{a,*} Mikio Fujii^b and Yoshiteru Ida^b

^aInstitute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan

^bSchool of Pharmaceutical Science, Showa University, 1-5-8 Hatanodai, Shinagawa-ku, Tokyo 142-8555, Japan



Efficient enantioselective synthesis of (*R*)-2-acetyl-2-hydroxy-5,8-dimethoxy-1,2,3,4-tetrahydronaphthalene, the key intermediate in the synthesis of anthracycline antibiotics

Tetrahedron: Asymmetry 12 (2001) 3155

Fabrizio Badalassi,^a Paolo Crotti,^{a,*} Cristina Di Bugno,^{b,*} Fabio D'Arata,^b Lucilla Favero^a and Alessio Ramacciotti^b

^aDipartimento di Chimica Bioorganica e Biofarmacia, Università di Pisa, Via Bonanno 33, 56126 Pisa, Italy

^bMenarini Ricerche SpA, Via Livornese 897, La Vettola, 56010 Pisa, Italy



1,3-Dipolar cycloaddition of a nitron derived from (*S*)-malic acid to α,β -unsaturated δ -lactones

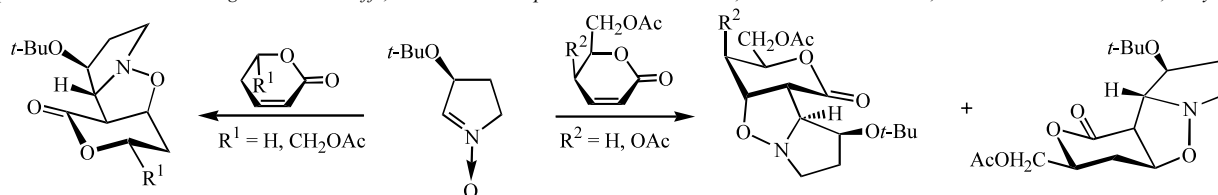
Tetrahedron: Asymmetry 12 (2001) 3163

D. Socha,^a M. Jurczak,^a J. Frelek,^a A. Klimek,^a J. Rabczko,^a Z. Urbańczyk-Lipkowska,^a K. Suwińska,^b M. Chmielewski,^{a,*} F. Cardona,^c A. Goti^c and A. Brandi^c

^aInstitute of Organic Chemistry of the Polish Academy of Sciences, 01-224 Warsaw, Poland

^bInstitute of Physical Chemistry of the Polish Academy of Sciences, 01-224 Warsaw, Poland

^cDipartimento di Chimica Organica 'U. Schiff', Centro dei Composti Eterociclici-CNR, Università di Firenze, I-50019 Sesto Fiorentino, Italy



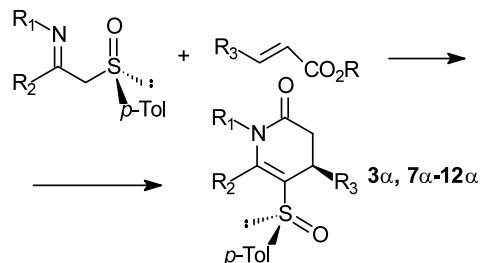
Diastereoselective synthesis of 4-substituted 5-(*p*-tolylsulfinyl)-5,6-dehydropiperidin-2-ones. A new approach to methyl L-(2*S*,4*S*)-4-methyl-6-oxopipicolate

Tetrahedron: Asymmetry 12 (2001) 3173

Hassan Acherki,^a Carlos Alvarez-Ibarra,^{a,*} Alfonso de Dios,^b Marta Gutiérrez^a and María L. Quiroga^a

^aDepartamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad Complutense de Madrid, Ciudad Universitaria 28040, Madrid, Spain

^bEli Lilly & Co., Departamento de Investigación, Lilly S. A., Avenida de la Industria 30, 28108 Alcobendas, Madrid, Spain

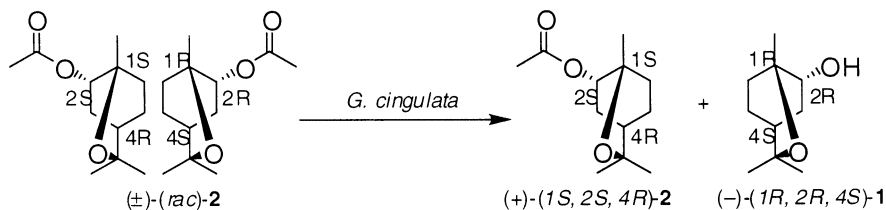


Microbial resolution of racemic 2-endo-acetoxy-1,8-cineole by *Glomerella cingulata*

Tetrahedron: Asymmetry 12 (2001) 3185

Mitsuo Miyazawa* and Yuya Hashimoto

Department of Applied Chemistry, Faculty of Science and Engineering, Kinki University, Kowakae, Higashiosaka-shi, Osaka 577-8502, Japan

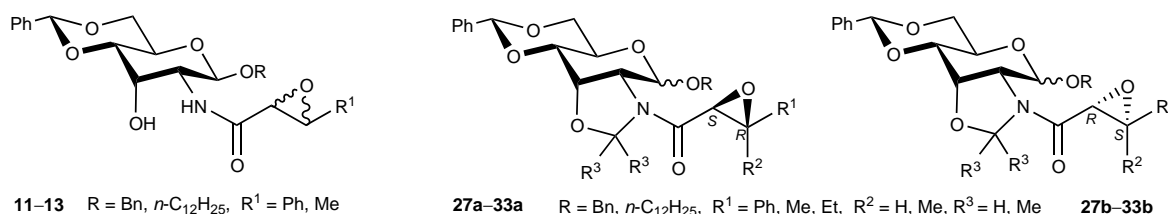


Stereoselective synthesis of oxiranes using oxazolidines derived from 2-amino-2-deoxy-D-allose as chiral auxiliaries

Tetrahedron: Asymmetry 12 (2001) 3189

José M. Vega-Pérez,* Margarita Vega, Eugenia Blanco and Fernando Iglesias-Guerra*

Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad de Sevilla, E-41071 Sevilla, Spain



Planar chiral indoles: synthesis and biological effects of the enantiomers

Tetrahedron: Asymmetry 12 (2001) 3205

Birgit Ortner, Harald Hübner and Peter Gmeiner*

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

