Tetrahedron: Asymmetry *14 (2003) 2115*

Evaluating the role of solvent and borane on the enantioselectivity of the oxazaborolidine reduction of prochiral ketones using catalysts derived from *cis*-(1*R*,2*S*)-1-amino-indan-2-ol

Nathan J. Gilmore and Simon Jones*

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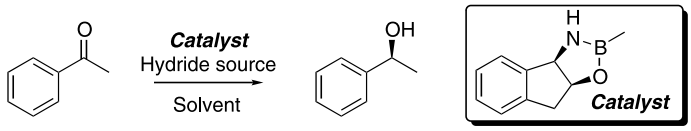

Tetrahedron: Asymmetry *14 (2003) 2119*

Stereospecific synthesis of amphetamines

Jared M. Wagner, Charles J. McElhinny, Jr., Anita H. Lewin* and F. Ivy Carroll

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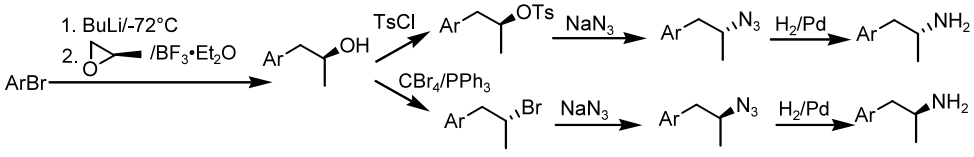

Tetrahedron: Asymmetry *14 (2003) 2127*

New chiral amino-phosphoramidite and bisphosphoramidite ligands derived from (*R*,*R*)-1,2-diaminocyclohexane: application in Cu-catalyzed asymmetric conjugate addition of diethylzinc to 2-cyclohexenone

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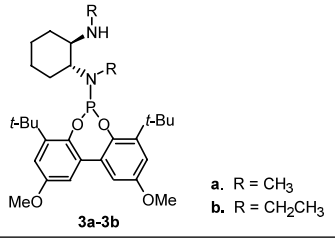
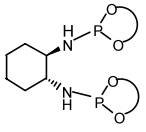
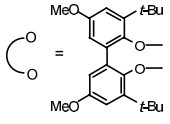
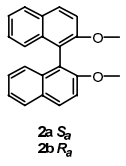
Dipartimento di Chimica Inorganica, Chimica Analitica e Chimica Fisica, Università di Messina, Salita Sperone, 31 Villaggio S. Agata 98166, Messina, Italy







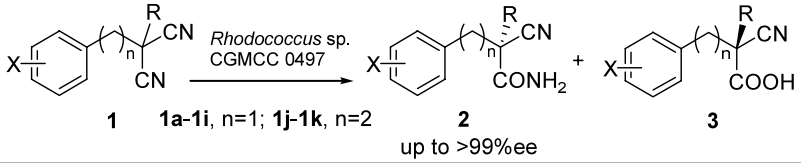


Tetrahedron: Asymmetry *14 (2003) 2133*

Enantioselective biotransformation of α,α-disubstituted dinitriles to the corresponding 2-cyanoacetamides using *Rhodococcus* sp. CGMCC 0497

Zhong-Liu Wu and Zu-Yi Li*

State Key Laboratory of Bioorganic & Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, China

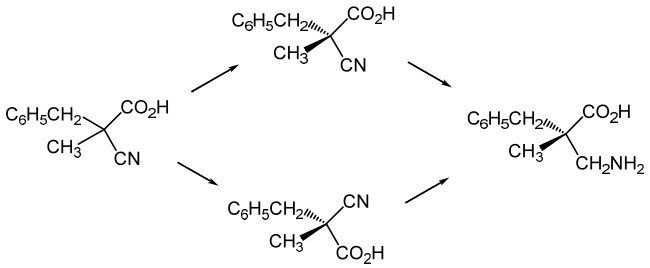


Tetrahedron: Asymmetry *14 (2003) 2209*

Efficient enantioconvergent synthesis of (*S*)-α-benzyl-α-methyl-β-alanine from (*R*)- and (*S*)-2-cyano-2-methyl-3-phenylpropanoic acid

Ramón Badorrey, Carlos Cativiela, María D. Díaz-de-Villegas,* José A. Gálvez* and Ana Gil

Departamento de Química Orgánica, Facultad de Ciencias-Instituto de Ciencia de Materiales de Aragón, Universidad de Zaragoza-CSIC, E-50009 Zaragoza, Spain



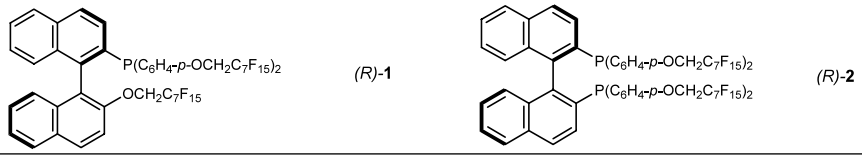
Tetrahedron: Asymmetry *14 (2003) 2215*

Chiral fluorous phosphorus ligands based on the binaphthyl skeleton: synthesis and applications in asymmetric catalysis

Jerôme Bayardon,[a] Marco Cavazzini,[b] David Maillard,[a] Gianluca Pozzi,[b,*] Silvio Quici[b] and Denis Sinou[a,*]

[a]*Laboratoire de Synthèse Asymétrique, associé au CNRS, CPE Lyon, Université Claude Bernard Lyon 1, 43, boulevard du 11 novembre 1918, 69622 Villeurbanne Cedex, France*

[b]*CNR-Istituto di Scienze e Tecnologie Molecolari, via C. Golgi 19, 20133 Milano, Italy*

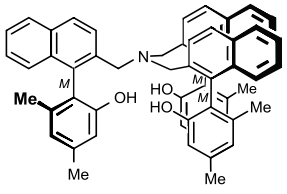


Tetrahedron: Asymmetry *14 (2003) 2225*

Atropo-enantioselective synthesis of a C_3-symmetric tripodal ligand with three axially chiral biaryl subunits

Gerhard Bringmann,* Matthias Breuning, Robert-Michael Pfeifer and Petra Schreiber

Institut für Organische Chemie, Universität Würzburg, Am Hubland, D-97074 Würzburg, Germany



Tetrahedron: Asymmetry *14 (2003) 2229*

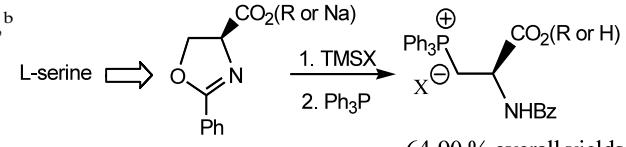
Efficient synthesis of β-halogeno protected L-alanines and their β-phosphonium derivatives

Franck Meyer,[a] Abdelhamid Laaziri,[a] Anna Maria Papini,[b] Jacques Uziel[a] and Sylvain Jugé[c,*]

[a]*Université de Cergy Pontoise, 5 mail Gay Lussac, 95031 Cergy Pontoise, France*

[b]*Dipartimento di Chimica Organica, Università degli Studi di Firenze, via della Lastruccia 13, 50019 Sesto Fiorentino (FI), Italy*

[c]*Université de Bourgogne, LSEO associé CNRS, 6 boulevard Gabriel, 21000 Dijon, France*



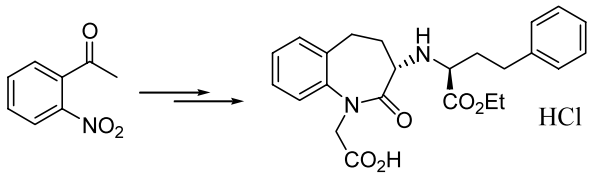
The stereospecific synthesis of β-halogeno amino acid derivatives bearing ester or acid functions by ring opening of the oxazoline derived from L-serine with trimethylsilyl halides is described. The iodo or bromo derivatives were easily quaternized with triphenylphosphine to give the corresponding phosphonium salts in overall yields of up to 90% from L-serinate hydrochloride.

Asymmetric synthesis of ACE inhibitor-Benazepril HCl via a bioreductive reaction

Tetrahedron: Asymmetry *14 (2003) 2239*

Ching-Yao Chang and Teng-Kuei Yang*

Department of Chemistry, National Chung-Hsing University, Taichung 402, Taiwan, ROC



5 Benazepril HCl **4**

Resolution of 1-phenyl-2-(*p*-tolyl)ethylamine via diastereomeric salt formation

Tetrahedron: Asymmetry *14 (2003) 2247*

Marco Pallavicini,[a,*] Cristiano Bolchi,[a] Barbara Moroni,[a] Ermanno Valoti[a] and Oreste Piccolo[b]

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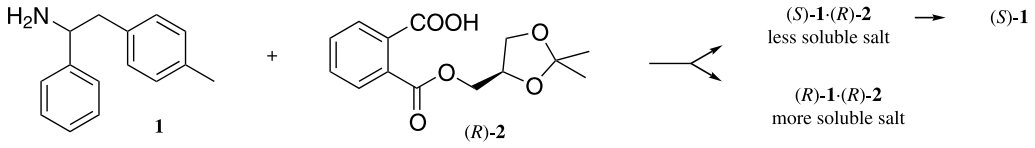
[b]*Studio di Consulenza Scientifica, via Bornò 5, I-23896 Sirtori (LC), Italy*

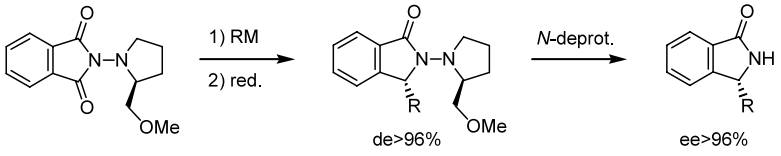


A new synthetic route to highly enantioenriched 3-substituted-2,3-dihydro-1*H*-isoindol-1-ones

Tetrahedron: Asymmetry *14 (2003) 2253*

Eric Deniau,[a,*] Dieter Enders,[b] Axel Couture[a] and Pierre Grandclaudon[a]

[a]*Laboratoire de Chimie Organique Physique, UMR 8009, Université des Sciences et Technologies de Lille, Bâtiment C3(2), F-59655 Villeneuve d'Ascq Cédex, France*
[b]*Institut für Organische Chemie, Rheinisch-Westfälische Technische Hochschule, Professor-Pirlet-Straße 1, 52074 Aachen, Germany*



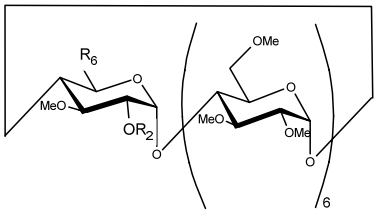
Selective access and full characterization of mono-acidic permethylated β-cyclodextrin derivatives and their methyl esters

Tetrahedron: Asymmetry *14 (2003) 2259*

S. Tisse,[a] V. Peulon-Agasse,[a] H. Oulyadi,[b] F. Marsais[c] and J. C. Combret[a,*]

[a]*UPRES EA 2659, Sciences et Méthodes Séparatives, Université de Rouen-INSA de Rouen, F-76821 Mont Saint Aignan Cedex, France*
[b]*UMR 6014, Laboratoire de RMN, Université de Rouen-INSA de Rouen, F-76821 Mont Saint Aignan Cedex, France*
[c]*UMR 6014, Equipe de Chimie Organique Fine et Hétérocyclique, Université de Rouen-INSA de Rouen, F-76821 Mont Saint Aignan Cedex, France*

	R_2	R_6
2^{I}-*O*-carboxymethyl-2^{II-VII}, 3^{I-VII}, 6^{I-VII}-eicosa-*O*-methyl-CD	**CH_2COOH**	OMe
6^{I}-*O*-carboxymethyl-2^{I-VII}, 3^{I-VII}, 6^{II-VII}-eicosa-*O*-methyl-CD	Me	**CH_2OCH_2COOH**
6^{I}-desoxy-6^{I}-carboxy-2^{I-VII}, 3^{I-VII}, 6^{II-VII}-eicosa-*O*- methyl-CD	Me	**COOH**

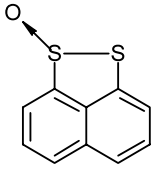


Tetrahedron: Asymmetry *14 (2003) 2267*

Direct determination of the absolute configuration of a cyclic thiolsulfinate by VCD spectroscopy

Anders Holmén,[a,*] Joakim Oxelbark[b] and Stig Allenmark[b]

[a]*Physical and Computational Chemistry, DMPK & Bioanalytical Chemistry, AstraZeneca R&D, SE-43183 Mölndal, Sweden*
[b]*Department of Chemistry, Göteborg University, SE-41296 Göteborg, Sweden*



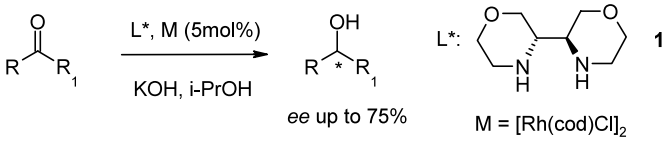
Tetrahedron: Asymmetry *14 (2003) 2271*

C_2-Symmetric bimorpholines as chiral ligands in the asymmetric hydrogenation of ketones

Kadri Kriis, Tõnis Kanger,* Aleksander-Mati Müürisepp and Margus Lopp

Department of Chemistry, Tallinn Technical University, Akadeemia tee 15, Tallinn 12618, Estonia

Bimorpholine **1** and Rh-complex catalyses hydride transfer reduction of prochiral aromatic ketones giving the corresponding alcohols with up to 75% ee.



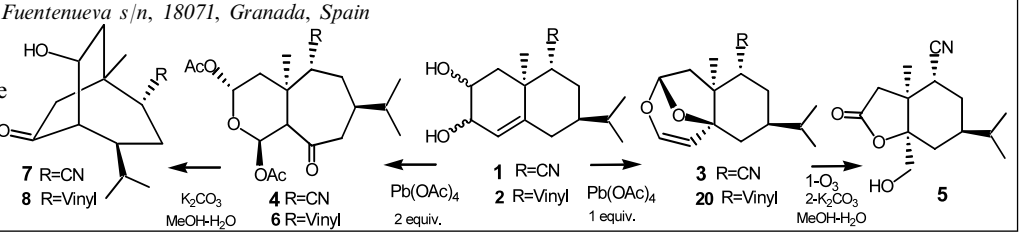
Tetrahedron: Asymmetry *14 (2003) 2277*

Lead tetraacetate mediated domino reactions on (*R*)-(−)-carvone-derived bicyclic unsaturated 1,2-diols and further rearrangements

Elena M. Sanchez Fernandez,[a] José I. Candela Lena,[a] Ertan Altinel,[a] Nicolas Birlirakis,[a] Alejandro F. Barrero[b] and Siméon Arseniyadis[a,*]

[a]*Institut de Chimie des Substances Naturelles, CNRS, F-91198 Gif-sur-Yvette, France*
[b]*Universidad de Granada, Avda. Fuentenueva s/n, 18071, Granada, Spain*

The synthesis and oxidative cleavage reactions of carvone derived 1,2-unsaturated diols **1** and **2** are described.

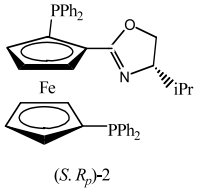


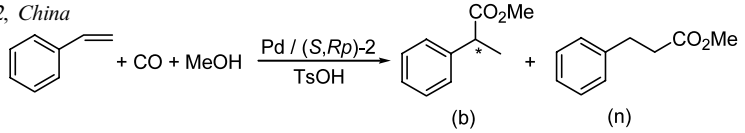
Tetrahedron: Asymmetry *14 (2003) 2291*

Asymmetric hydroesterification of styrene using catalysts with planar-chiral ferrocene oxazoline ligands

Lailai Wang,[a,b] Wai Him Kwok, Albert S. C. Chan,[a,*] Tao Tu,[c] Xuelong Hou[c,*] and Lixin Dai[c]

[a]*Open Laboratory of Chirotechnology of the Institute of Molecular Technology for Drug Discovery and Synthesis, and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China*
[b]*State Key Laboratory for Oxo Synthesis & Selective Oxidation, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou 730000, China*
[c]*Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China*





Up to b/n = 40/60, ee = 64%.