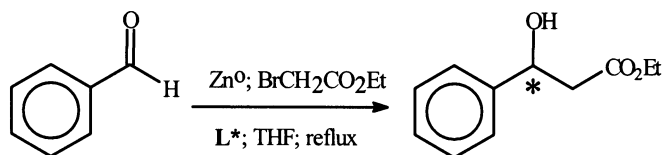
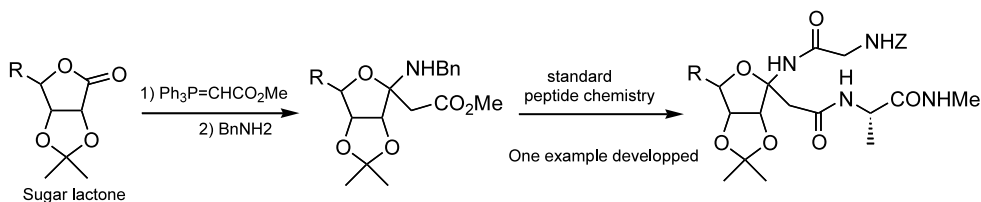


Asymmetric Reformatsky reaction: application of mono- and dihydroxy carbohydrate derivatives as chiral ligands*Tetrahedron: Asymmetry 13 (2002) 1703*

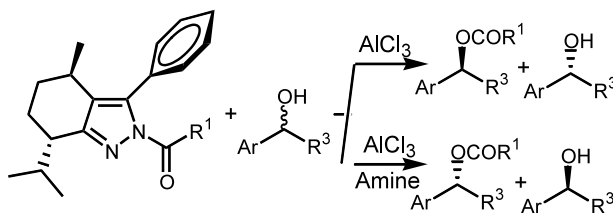
Carlos Magno R. Ribeiro,* Elisangela de S. Santos, Alessandro H. de O. Jardim, Mônica P. Maia, Fernando C. da Silva, Ana Paula D. Moreira and Vítor F. Ferreira

Universidade Federal Fluminense, Instituto de Química, Departamento de Química Orgânica, Campus Valonguinho, Centro, Niterói, Rio de Janeiro, Brazil CEP 24020-150

L* : carbohydrate derivatives
 reaction yield : 10 - 60%
 product e.e. : 0 - 30%

Facile synthesis of fused furanosyl β -amino acids from protected sugar lactones: incorporation into a peptide chain*Tetrahedron: Asymmetry 13 (2002) 1707*Claude Taillefumier,^a Younes Lakhri,^a Mohammed Lakhri,^b and Yves Chapleur^{a,*}^a*Groupe SUCRES, UMR 7565 CNRS, Université Henri Poincaré, Nancy I, BP 239, F-54506 Nancy-Vandoeuvre, France*^b*Laboratoire de Synthèse Organique, Faculté des Sciences, Université Ibn Tofail, Kenitra, Morocco***Resolution of secondary alcohols using 2-acyl-3-phenyl-*l*-menthopyrazoles as enantioselective acylating agents***Tetrahedron: Asymmetry 13 (2002) 1713*

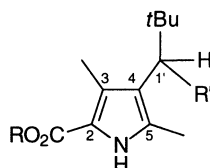
Choji Kashima,* Saori Mizuhara, Yohei Miwa and Yukihiro Yokoyama

Department of Chemistry, University of Tsukuba, Tsukuba, Ibaraki 305-8571, Japan**Atropisomerism in monopyrroles***Tetrahedron: Asymmetry 13 (2002) 1721*

Stefan E. Boiadjev and David A. Lightner*

Department of Chemistry, University of Nevada, Reno, NV 89557-0020, USA

Pyrroles **1–6**, where R = Me or Et and R' = I, OMe, SMe, CHMeCO₂Me, CH(CO₂Et)₂, CH(CO₂Me)₂ and CH(CO₂*i*Pr)₂ and their analogs exhibit severely restricted rotation about the C(4)–C(1') bond, leading to physical separation of diastereomers by chromatography and crystallization.

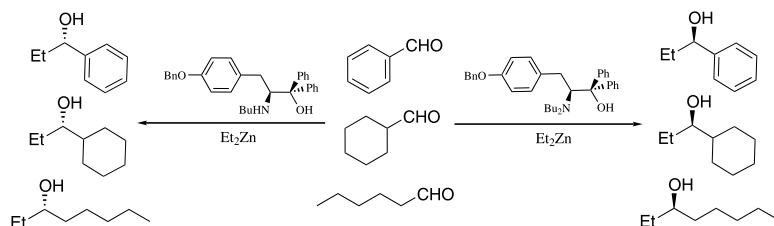


Enantioselective alkylation of aldehydes promoted by (S)-tyrosine-derived β -amino alcohols

Tetrahedron: Asymmetry 13 (2002) 1733

Christian Wolf,* Christopher J. Francis, Pili A. Hawes and Mirage Shah

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



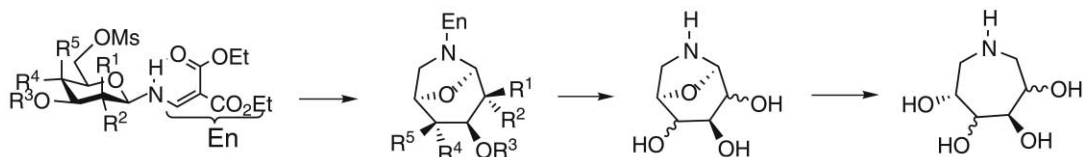
An easy route to seven-membered iminocyclitols from aldohexopyranosyl enamines

Tetrahedron: Asymmetry 13 (2002) 1743

José Fuentes,^{a,*} Consolación Gasch,^a David Olano,^b M. Ángeles Pradera,^a Guillermo Repetto^b and Francisco J. Sayago^a

^aDepartamento de Química Orgánica, Facultad de Química, Universidad de Sevilla, Apartado 553, E-41071 Sevilla, Spain

^bInstituto Nacional de Toxicología de Sevilla, Apartado 863, E-41080 Sevilla, Spain

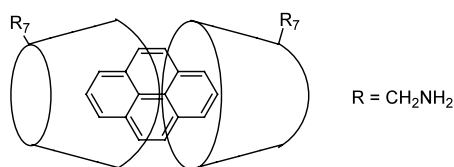


The binary pyrene/heptakis-(6-amino-6-deoxy)- β -cyclodextrin complex: a suitable chiral discriminator. Spectrofluorimetric study of the effect of some α -amino acids and esters on the stability of the binary complex

Tetrahedron: Asymmetry 13 (2002) 1755

Francesca D'Anna,* Serena Riela, Paolo Lo Meo, Michelangelo Gruttadauria and Renato Noto*

Dipartimento di Chimica Organica 'E. Paternò', Viale delle Scienze, Parco d'Orleans 2, I-90128 Palermo, Italy



Lactones. Part 15: Synthesis of chiral spirolactones with a carane system—insect feeding deterrents

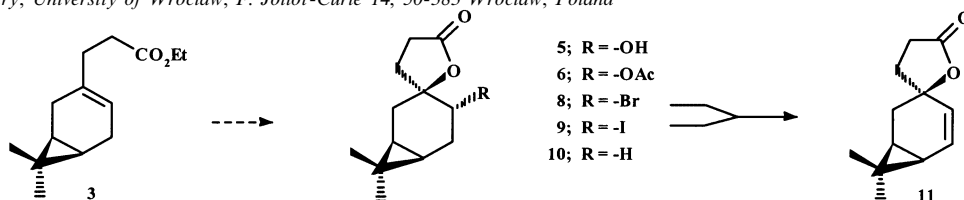
Tetrahedron: Asymmetry 13 (2002) 1761

Stanisław Lochyński,^{a,*} Bożena Frąckowiak,^a Teresa Olejniczak,^b Zbigniew Ciunik^c and Czesław Wawrzeńczyk^{b,*}

^aInstitute of Organic Chemistry, Biochemistry and Biotechnology, Wrocław University of Technology, W. Wyspiańskiego 27, 50-370 Wrocław, Poland

^bDepartment of Chemistry, Agricultural University, Norwida 25, 50-375 Wrocław, Poland

^cFaculty of Chemistry, University of Wrocław, F. Joliot-Curie 14, 50-383 Wrocław, Poland

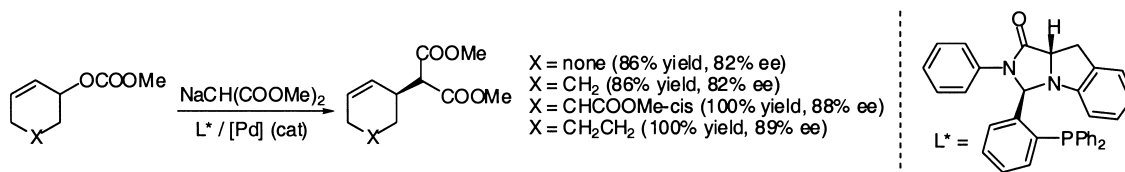


New homochiral phosphine ligands having a hexahydro-1*H*-pyrrolo[1,2-*c*]imidazolone backbone: preparation and use for palladium-catalyzed asymmetric alkylation of cycloalkenyl carbonates

Tetrahedron: Asymmetry 13 (2002) 1769

Kazutaka Shibatomi and Yasuhiro Uozumi*

Institute for Molecular Science, Nishi-Gonaka 38, Myodaiji, Okazaki 444-8585, Japan



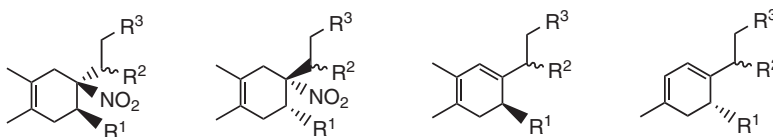
Preparation of enantiomerically pure 4-alkyl-5-formyl-4-nitrocyclohex-1-enes from 5-glyco-4-nitrocyclohex-1-enes

Tetrahedron: Asymmetry 13 (2002) 1773

R. Ballini,^a G. Bosica,^a M. V. Gil,^b E. Román^{b,*} and J. A. Serrano^b

^a*Dipartimento di Scienze Chimiche, Università di Camerino, via S. Agostino, 1, I-62032 Camerino, Italy*

^b*Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Extremadura, 06071 Badajoz, Spain*



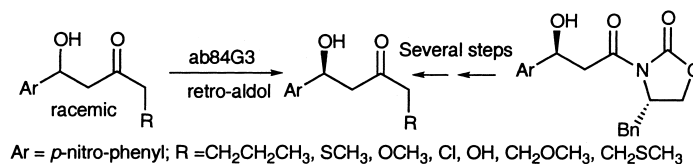
Asymmetric synthesis of aldol products derived from unsymmetrical ketones: assignment of the absolute configuration of antibody aldol products

Tetrahedron: Asymmetry 13 (2002) 1789

V. Maggiotti,^a J.-B. Wong,^a R. Razet,^a A. R. Cowley^b and V. Gouverneur^{a,*}

^a*University of Oxford, The Dyson Perrins Laboratory, South Parks Road, OX1 3QY Oxford, UK*

^b*University of Oxford, Chemical Crystallography Laboratory, 9 Parks Road, OX1 3PD Oxford, UK*

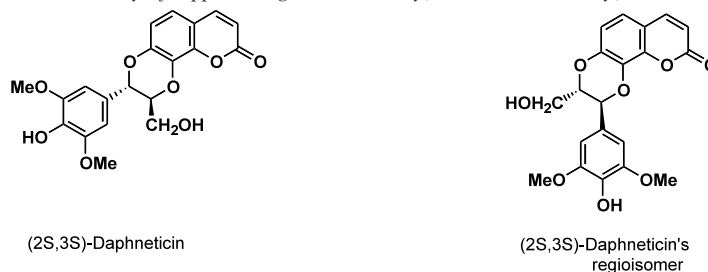


First enantioselective synthesis of daphneticin and its regioisomer

Tetrahedron: Asymmetry 13 (2002) 1799

Xinfeng Ren, Xiaochuan Chen, Kun Peng, Xingang Xie, Yamu Xia and Xinfu Pan*

Department of Chemistry, National Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China

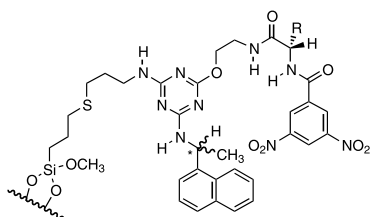


Biselecter enantioselective stationary phases for HPLC: dependence of the chiral discrimination properties on stereochemistry and chemical nature of each unit of the chiral auxiliary

Tetrahedron: Asymmetry 13 (2002) 1805

Anna Iuliano, Emanuele Attolino and Piero Salvadori*

ICCOM-CNR-Sezione di Pisa, Dipartimento di Chimica e Chimica Industriale, via Risorgimento 35, 56126 Pisa, Italy



CSP 1: (S)-NEA; (S)-Leu
 CSP 2: (R)-NEA; (S)-Leu
 CSP 3: (S)-NEA; (S)-Phenylglycine
 CSP 4: (R)-NEA; (S)-Phenylglycine

P-Stereogenic diphosphines in the ruthenium-catalysed asymmetric hydrogenation of C=C and C=O double bonds

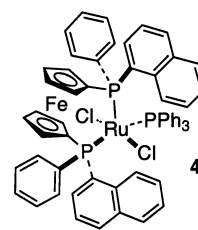
Tetrahedron: Asymmetry 13 (2002) 1817

Francesca Maienza,^a Francesco Santoro,^a Felix Spindler,^b Christophe Malan^b and Antonio Mezzetti^{a,*}

^aDepartment of Chemistry, Swiss Federal Institute of Technology, ETH Hönggerberg, CH-8093 Zürich, Switzerland

^bSolvias AG, Klybeckstrasse 191, CH-4002 Basel, Switzerland

Bis(acetato) and dichloro complexes of ruthenium(II) containing *P*-stereogenic ligands have been prepared and tested in the asymmetric catalytic hydrogenation of functionalised olefins and keto esters. The best performance (52.6% ee) has been obtained in the hydrogenation of ethyl acetoacetate with [RuCl(PPh₃)((*S,S*)-1,1'-bis(1-naphthylphenylphosphino)ferrocene)] **4**.



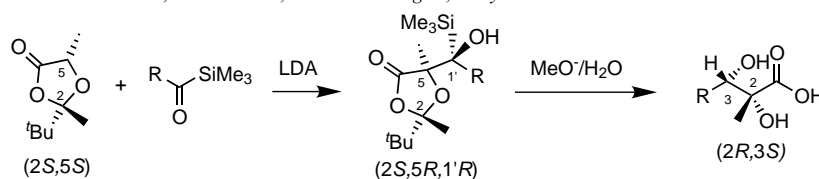
Synthesis and desilylation of (2*R*,3*S*)- α -methyl- α -silyl- α,β -2,3-dihydroxycarboxylic methyl esters

Tetrahedron: Asymmetry 13 (2002) 1825

Arturo Battaglia,^{a,*} Eleonora Baldelli,^a Gaetano Barbaro,^a Patrizia Giorgianni,^a Andrea Guerrini,^a Magda Monari^b and Simona Selva^b

^aIstituto CNR per La Sintesi Organica e Fotoreattività 'I.S.O.F.', via Gobetti 101 I-40129 Bologna, Italy

^bDipartimento di Chimica 'G. Ciamician', via Selmi 2, I-40126 Bologna, Italy



Enantiomers of 3-amino-1-methyl-1,2-dicarba-closo-dodecaborane

Tetrahedron: Asymmetry 13 (2002) 1833

Victor P. Krasnov,^{a,*} Galina L. Levit,^a Valery N. Charushin,^a Alexander N. Grishakov,^a Mikhail I. Kodess,^a Valery N. Kalinin,^b Valentina A. Ol'shevskaya^b and Oleg N. Chupakhin^a

^aInstitute of Organic Synthesis of RAS (Ural Div.), S. Kovalevskoy St., 20, Ekaterinburg, 620219, Russia

^bA. N. Nesmeyanov Institute of Organoelement Compounds of RAS, Vavilova St., 28, Moscow, 119991, Russia

