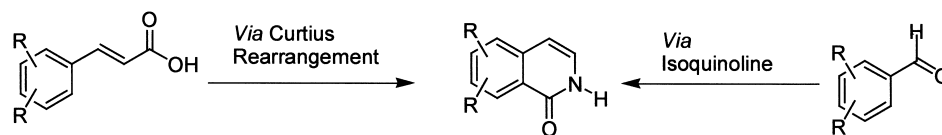


Synthesis of novel substituted isoquinolones

Nicolas Briet, Michael H. Brookes, Richard J. Davenport,* Frances C. A. Galvin,
Philip J. Gilbert, Stephen R. Mack and Verity Sabin
Celltech R & D, Granta Park, Great Abington, Cambridge CB1 6GS, UK

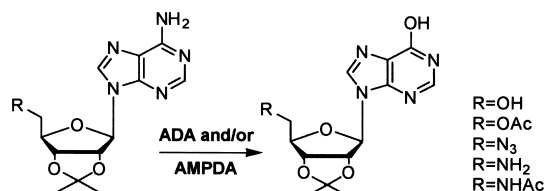
Tetrahedron 58 (2002) 5761

**Deamination of 5'-substituted-2',3'-isopropylidene adenosine derivatives catalyzed by adenosine deaminase (ADA, EC 3.5.4.4) and complementary enzymatic biotransformations catalyzed by adenylate deaminase (AMPDA, EC 3.5.4.6): a viable route for the preparation of 5'-substituted inosine derivatives**

Pierangela Ciuffreda, Angela Loseto and Enzo Santaniello*

Dipartimento di Scienze Precliniche, Università degli Studi di Milano,
LITA Vialba Via G. B. Grassi, 74-20157 Milano, Italy

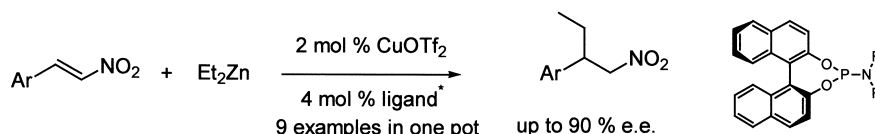
Tetrahedron 58 (2002) 5767

**One-pot multi-substrate enantioselective conjugate addition of diethylzinc to nitroalkenes**

Ate Duursma, Adriaan J. Minnaard and Ben L. Feringa*

Department of Organic and Molecular Inorganic Chemistry, Stratingh Institute, University of Groningen, Nijenborgh 4,
9747 AG Groningen, The Netherlands

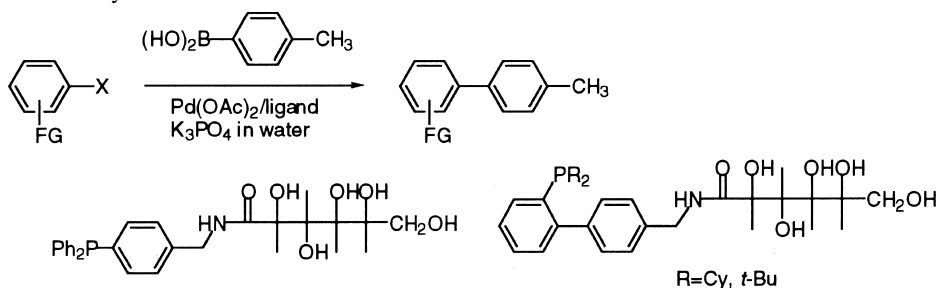
Tetrahedron 58 (2002) 5773

**Palladium-catalyzed biaryl-coupling reaction of arylboronic acids in water using hydrophilic phosphine ligands**

Masato Nishimura, Masato Ueda and Norio Miyaura*

Division of Molecular Chemistry,
Graduate School of Engineering,
Hokkaido University,
Sapporo 060-8628, Japan

Tetrahedron 58 (2002) 5779



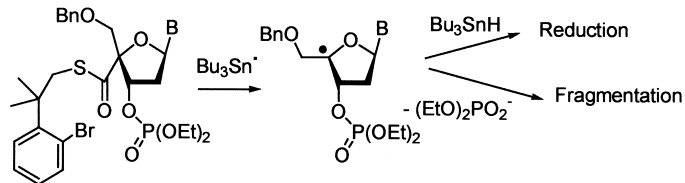
The effect of the base in the fragmentation of nucleotide C4' radicals

Tetrahedron 58 (2002) 5789

David Crich,* Dae-Hwan Suk and Xiaolin Hao

Department of Chemistry, University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607-7061, USA

Competition kinetic methods are used to determine the order of fragmentation of C4' radicals to be guanosine>cytidine>adenosine>thymidine in THF solution.

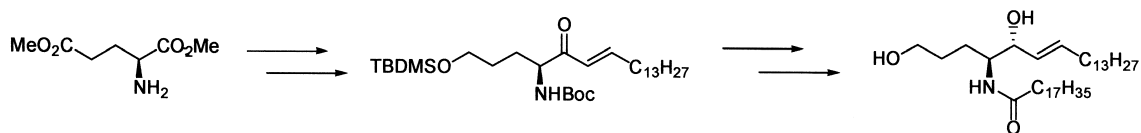


Synthesis of novel and non-natural ceramide analogues derived from L-glutamic acid

Tetrahedron 58 (2002) 5803

Keiji Shikata, Hideki Azuma, Taro Tachibana and Kenji Ogino*

Department of Bioapplied Chemistry, Graduate School of Engineering, Osaka City University, Sugimoto 3-3-138, Sumiyoshi-ku, Osaka 558-8585, Japan

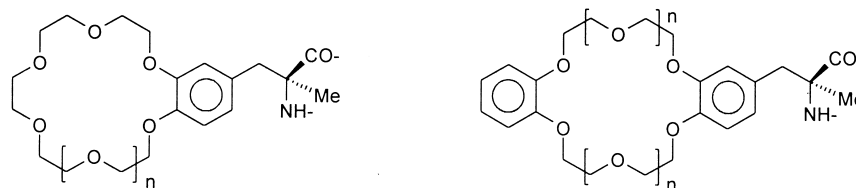


New crown-carrier C^{α,α}-disubstituted glycines derived from α-methyl-(L)-DOPA

Tetrahedron 58 (2002) 5811

Karen Wright, Francesca Melandri, Caroline Cannizzo, Michel Wakselman and Jean-Paul Mazaleyrat*

University of Versailles, SIRCOB, ESA CNRS 8086, Bât. Lavoisier, 45 Avenue des Etats-Unis, F-78000 Versailles cedex, France



Synthesis and properties of pyrazolino[60]fullerene-donor systems

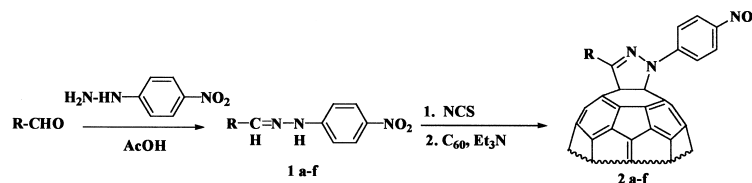
Tetrahedron 58 (2002) 5821

Eva Espíldora,^a Juan Luis Delgado,^b Pilar de la Cruz,^b Antonio de la Hoz,^c Vicente López-Arza^a and Fernando Langa^{b,*}

^aEscuela de Ingenieros Técnicos Industriales, Universidad de Castilla-La Mancha, 45071 Toledo, Spain

^bFacultad de Ciencias del Medio Ambiente, Universidad de Castilla-La Mancha, 45071 Toledo, Spain

^cFacultad de Ciencias Químicas, Universidad de Castilla-La Mancha, 45071 Toledo, Spain

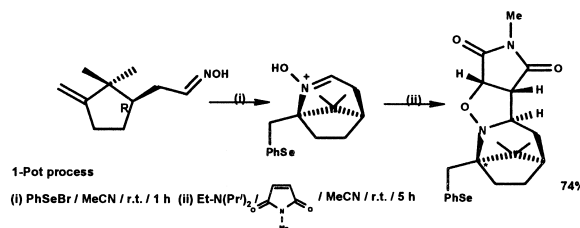


X=Y-ZH Systems as potential 1,3-dipoles. Part 54: Stereo- and facially-selective formation of bridged bicyclic N-heterocycles via a sequential one-pot electrophile induced oxime→nitron→cycloaddition sequence. Multiplication of chirality

Tetrahedron 58 (2002) 5827

H. Ali Dondas, Ronald Grigg,* Sylvie Thibault, W. Anthony Thomas and Mark Thornton-Pett

Molecular Innovation, Diversity and Automated Synthesis (MIDAS) Centre, School of Chemistry, University of Leeds, Leeds, LS2 9JT, UK



New pregnane glycosides from *Caralluma negevensis*

Tetrahedron 58 (2002) 5837

Alessandra Braca,^a Ammar Bader,^a Ivano Morelli,^a Roberto Scarpato,^b Gino Turchi,^c Cosimo Pizza^d and Nunziatina De Tommasi^{d,*}

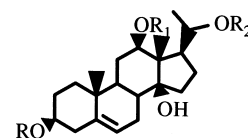
^aDipartimento di Chimica Bioorganica e Biofarmacia, Università di Pisa, Via Bonanno, 33, 56126 Pisa, Italy

^bDipartimento di Scienze dell'Uomo e dell'Ambiente, Università di Pisa, Via San Giuseppe 22, 56126 Pisa, Italy

^cIstituto di Mutagenesi e Differenziamento, Area della Ricerca, C.N.R., Via Moruzzi 1, 56126 Pisa, Italy

^dDipartimento di Scienze Farmaceutiche, Università di Salerno, Via Ponte Don Melillo, 84084 Fisciano (SA) Italy

Twenty new pregnane glycosides were isolated from the whole plant of *Caralluma negevensis*. Their structures were elucidated by extensive spectroscopic methods as well as ESI-MS analysis. Pregnane glycosides were tested to evaluate their cytotoxic and genotoxic activity.



Synthesis and characterization of 4,7-dimethyl-1,4,7,10,15,18-hexaazabicyclo[8.5.5]octane. Crystal structures of the cryptate and of the first small azacage complexes with six-coordinate lithium geometry

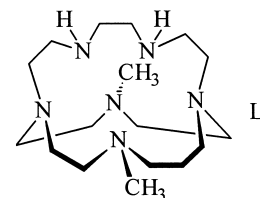
Tetrahedron 58 (2002) 5849

Mircea Vlăsa,^{a,*} Ruy Huang,^b James E. Jackson^b and James L. Dye^b

^aDepartment of Organic Chemistry, Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos street, RO-3400, Cluj-Napoca, Romania

^bDepartment of Chemistry, Michigan State University, East Lansing, MI 48824, USA

The synthesis and ligation properties towards alkaline metal cations of 4,7-dimethyl-4,7,10,11,15,18-hexaazabicyclo[8.5.5]octane (**L**) are described. The crystalline structures of the first small azacage complexes with six-coordinate geometry are presented.

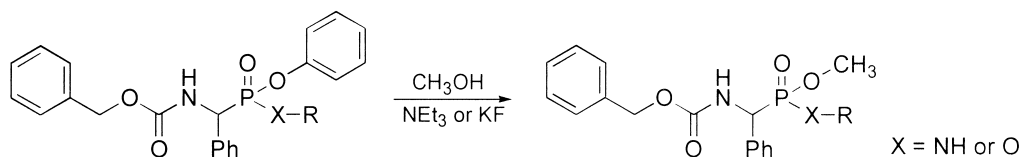


Transesterification of monophenyl phosphoramidates—chemical modelling of serine protease inhibition

Tetrahedron 58 (2002) 5855

Artur Mucha* and Paweł Kafarski

Institute of Organic Chemistry, Biochemistry and Biotechnology, Wrocław University of Technology, Wybrzeże Wyspiańskiego 27, 50-370 Wrocław, Poland



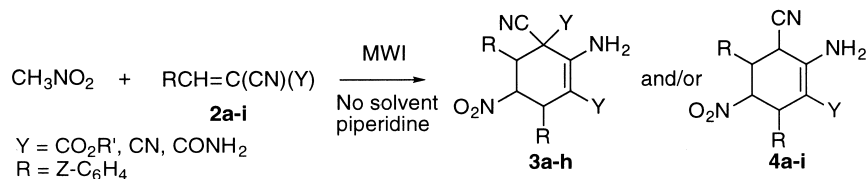
MIMIRC Reactions of nitromethane with electrophilic alkenes in solvent-free reactions under microwave irradiation

Tetrahedron 58 (2002) 5865

David Michaud,^a Jack Hamelin,^a Françoise Texier-Boullet^{a,*} and Loïc Toupet^b

^aSynthèse et Electrosynthèse Organiques 3, Associé au CNRS, UMR 6510, Université de Rennes I, Campus de Beaulieu, 35042 Rennes, France

^bGroupe Matière Condensée et Matériaux, Associé au CNRS, UMR C66-26, Université de Rennes I, Campus de Beaulieu, 35042 Rennes, France

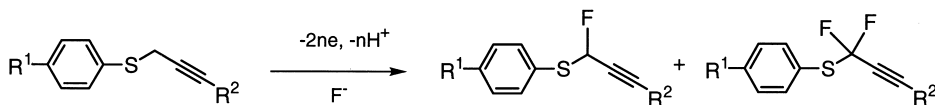


Electrolytic partial fluorination of organic compounds. Part 60: Highly regioselective anodic fluorination of aryl propargyl sulfides

Tetrahedron 58 (2002) 5877

Sayed M. Riyadh, Hideki Ishii and Toshio Fuchigami*

Department of Electronic Chemistry, Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama 226-8502, Japan

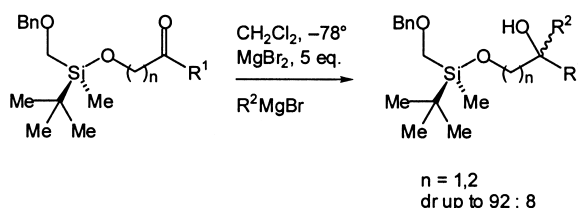


A chiral silyl ether as auxiliary for the asymmetric nucleophilic addition to α - and β -silyloxy carbonyl compounds

Tetrahedron 58 (2002) 5885

Michael Trzoss, Jie Shao and Stefan Bienz*

Institute of Organic Chemistry, University of Zurich, Winterthurerstr. 190, CH-8057 Zurich, Switzerland



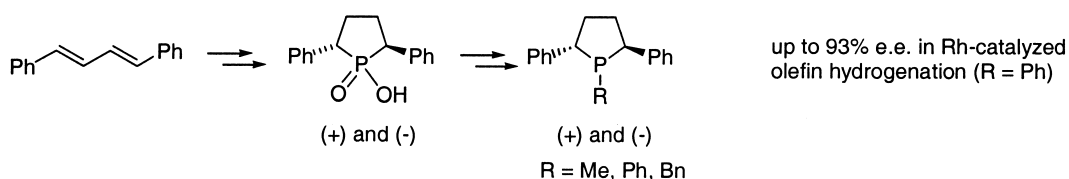
Synthesis and first applications of a new family of chiral monophosphine ligand: 2,5-diphenylphospholanones

Tetrahedron 58 (2002) 5895

Frédéric Guillen,^a Michael Rivard,^a Martial Toffano,^a Jean-Yves Legros,^a Jean-Claude Daran^b and Jean-Claude Fiaud^{a,*}

^aLaboratoire de Catalyse Moléculaire (ESA 8075), Institut de Chimie Moléculaire d'Orsay, Université Paris-Sud, Batiment 420, 91405 Orsay Cedex, France

^bLaboratoire de Chimie de Coordination du CNRS (UPR 8241205) route de Narbonne, 31077 Toulouse Cedex, France

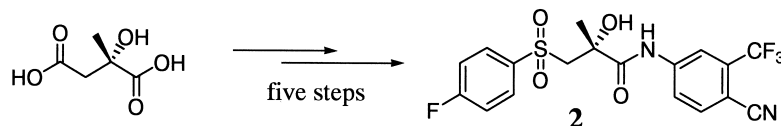


Syntheses of enantiomerically pure (*R*)- and (*S*)-bicalutamide

Kenneth D. James* and Nnochiri N. Ekwuribe

Department of Innovation, Nobex Corporation, 617 Davis Drive, Durham, NC 27713, USA

Tetrahedron 58 (2002) 5905

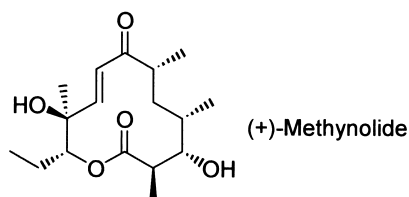


Formal total synthesis of (+)-methynolide

Janine Cossy,* David Bauer and Véronique Bellosta

Laboratoire de Chimie Organique associé au CNRS, ESPCI, 10 rue Vauquelin, 75231 Paris Cedex 05, France

A formal total synthesis of (+)-methynolide was achieved in 23 steps highlighted by a crotylboration, a ring-closing metathesis, a Sharpless kinetic resolution of an allylic alcohol and a Takai reaction.



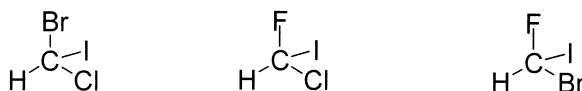
Tetrahedron 58 (2002) 5909

Novel synthetic approaches to CHBrFI, CHClFI and CHBrClI

Dong Bo Li, Siu-Choon Ng* and Igor Novak

Department of Chemistry, National University of Singapore, Singapore 117543, Singapore

Tetrahedron 58 (2002) 5923

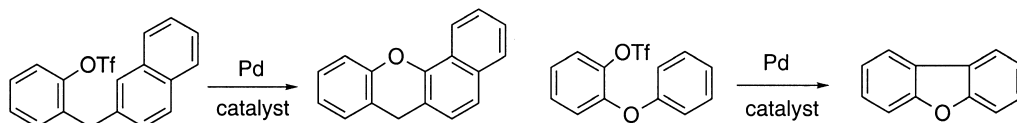


Synthesis of polycyclic xanthenes and furans via palladium-catalyzed cyclization of polycyclic aryltriflate esters

Ji-Quan Wang and Ronald G. Harvey*

Ben May Institute for Cancer Research, University of Chicago, MC 6027, 5841 South Maryland Avenue, Chicago, IL 60637, USA

Tetrahedron 58 (2002) 5927

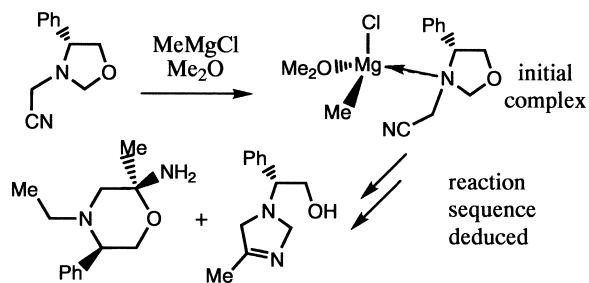


Theoretical and model studies on the chemoselectivity of a Grignard reagent's reaction with a combined aminonitrile-oxazolidine system

Tetrahedron 58 (2002) 5933

David J. Aitken,* Virginie Beaufort, Pierre Chalard, Jean-Luc Cladière, Monique Dufour, Elisabeth Pereira and Vincent Théry*

Laboratoire SEESIB-CNRS, Département de Chimie, Université Blaise Pascal—Clermont-Ferrand II, 24 Avenue des Landais, 63177 Aubière Cedex, France



Synthesis of Ambrox[®] from labdanolic acid

Tetrahedron 58 (2002) 5941

Juan M. Castro, Sofía Salido, Joaquín Altarejos,* Manuel Nogueras and Adolfo Sánchez

Departamento de Química Inorgánica y Orgánica, Facultad de Ciencias Experimentales, Universidad de Jaén, 23071 Jaén, Spain

