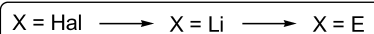
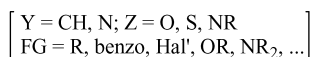
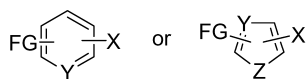


Graphical abstracts

Recent synthetic uses of functionalised aromatic and heteroaromatic organolithium reagents prepared by non-deprotonating methods

Carmen Nájera, José M. Sansano and Miguel Yus*

Departamento de Química Orgánica, Facultad de Ciencias, Instituto de Síntesis Orgánica (ISO), Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain



The generation of aromatic and heteroaromatic organolithium compounds, mainly by halogen-lithium exchange, and their reactivity towards electrophiles is reviewed, paying special attention to their synthetic applications in organic synthesis

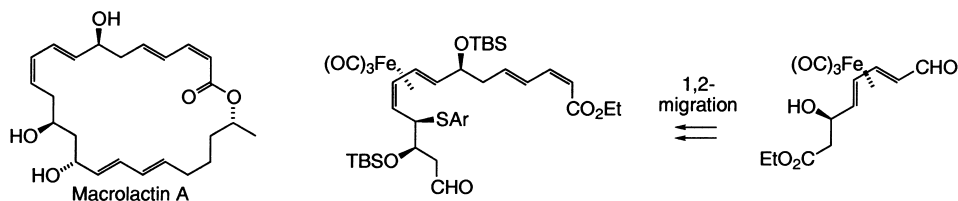
Tetrahedron 59 (2003) 9255

Synthetic studies on macrolactin A by using a (diene)Fe(CO)₃ complex

Akihiro Fukuda,^a Yusuke Kobayashi,^a Tetsutaro Kimachi^b and Yoshiji Takemoto^{a,*}

^aGraduate School of Pharmaceutical Sciences, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan

^bFaculty of Pharmaceutical Sciences, Mukogawa Women's University, 11-68 Koshien Kyuban-cho, Nishinomiya 663-8179, Japan



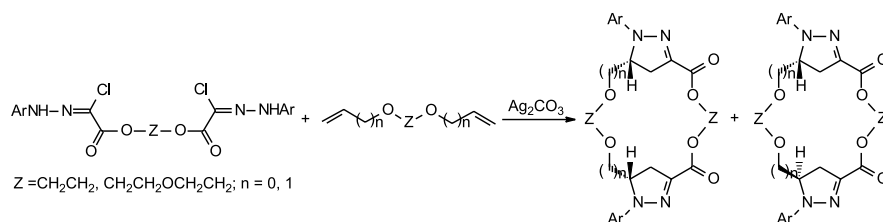
Tetrahedron 59 (2003) 9305

Synthesis of bis-(3,5)pyrazolophanes via double cycloadditive macrocyclisation

Giorgio Molteni,^{a,*} Tullio Pilati^b and Alessandro Ponti^b

^aUniversità degli Studi di Milano, Dipartimento di Chimica Organica e Industriale, Via Golgi 19, 20133 Milano, Italy

^bConsiglio Nazionale delle Ricerche, Istituto di Scienze e Tecnologie Molecolari, Via Golgi 19, 20133 Milano, Italy

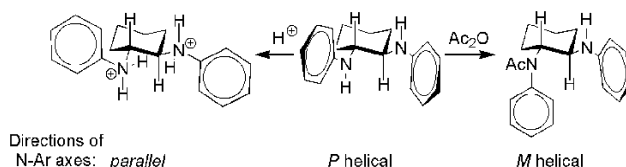


Tetrahedron 59 (2003) 9315

Helicity of *N,N'*-diaryl-*trans*-1,2-diaminocyclohexane derivatives. Implications for molecular helicity manipulations

M. Kwit and J. Gawronski*

Department of Chemistry, A. Mickiewicz University, Grunwaldzka 6, 60 780 Poznan, Poland



Tetrahedron 59 (2003) 9323

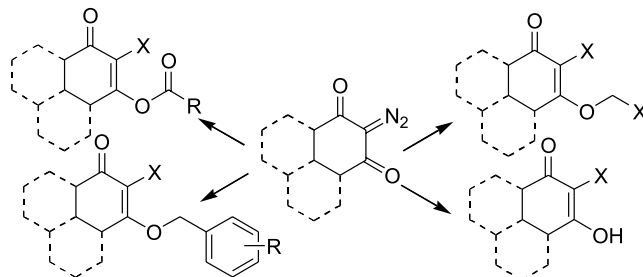
A convenient and efficient preparation of β -substituted α -haloenones from diazodicarbonyl compounds

Tetrahedron 59 (2003) 9333

Yong Rok Lee,^{*} Bang Sub Cho and Hyuk Jin Kwon

*School of Chemical Engineering and Technology,
College of Engineering, Yeungnam University, Kyongsan 712-749,
South Korea*

Rhodium(II)-catalyzed reactions of cyclic diazodicarbonyl compounds with a variety of halides have been examined. These reactions provide a useful and rapid entry to β -substituted α -haloenones in good yields.



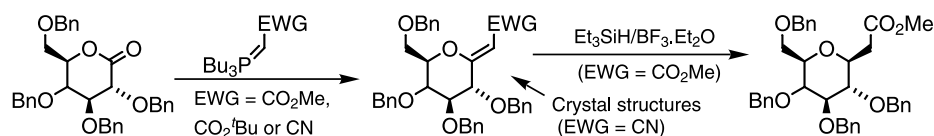
C-Glycosylidene derivatives (*exo*-glycals): their synthesis by reaction of protected sugar lactones with tributylphosphonium ylids, conformational analysis and stereoselective reduction

Tetrahedron 59 (2003) 9349

Miguel Gascón-López,^a Majid Motevalli,^a George Paloumbis,^a Peter Bladon^b and Peter B. Wyatt^{a,*}

^a*Department of Chemistry, Queen Mary, University of London, Mile End Road, E1 4NS, London, UK*

^b*Interprobe Chemical Services, Gallowhill House, Lenzie, Scotland G66 4HX, UK*



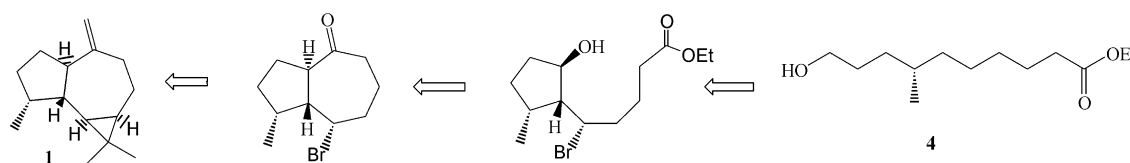
Synthesis of chiral methyl-branched linear pheromones starting from (+)-aromadendrene. Part 7

Tetrahedron 59 (2003) 9361

Yvonne M. A. W. Lamers,^a Ghena Rusu,^b Joannes B. P. A. Wijnberg^a and Aede de Groot^{a,*}

^a*Laboratory of Organic Chemistry, Wageningen University, Dreijenplein 8, 6703 HB Wageningen, The Netherlands*

^b*Institute of Chemistry, Moldovan Academy of Sciences, str. Academia 3, MD-2028 Kishinev, Republic of Moldova*



Synthesis and X-ray crystallographic studies of novel proton-ionizable nitro- and halogen-substituted acridono-18-crown-6 chromo- and fluorogenic ionophores

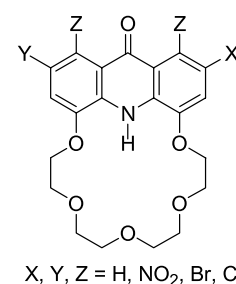
Tetrahedron 59 (2003) 9371

Péter Huszthy,^{a,*} Borbála Vermes,^a Nikolettta Báthori^b and Mátyás Czugler^b

^a*Institute for Organic Chemistry, Budapest University of Technology and Economics, H-1521 Budapest, Hungary*

^b*Institute of Chemistry, Chemical Research Center, Hungarian Academy of Sciences, H-1525 Budapest, Hungary*

Seven new proton-ionizable chromo- and fluorogenic ionophores ($X=NO_2$, $Y=Z=H$; $X=Y=NO_2$, $Z=H$; $X=NO_2$, $Y=Br$, $Z=H$; $X=Y=Br$, $Z=H$; $X=Y=Br$, $Z=NO_2$; $X=Y=Cl$, $Z=H$; $X=Y=Cl$, $Z=NO_2$) were prepared from the parent acridono-18-crown-6 ligand ($X=Y=Z=H$) by electrophilic substitution. Five of the above ligands ($X=Y=Z=H$; $X=NO_2$, $Y=Z=H$; $X=Y=NO_2$, $Z=H$; $X=Y=Br$, $Z=NO_2$; $X=Y=Cl$, $Z=NO_2$) were also studied by X-ray crystallography.



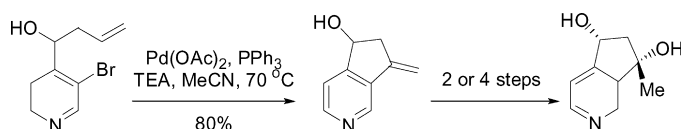
Novel total syntheses of (\pm)-oxerine by intramolecular Heck reaction

Tetrahedron 59 (2003) 9379

Jingrui Zhao,^{a,b} Xiaoxia Yang,^a Xueshun Jia,^b Shengjun Luo^a and Hongbin Zhai^{a,*}

^aLaboratory of Modern Synthetic Organic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China

^bDepartment of Chemistry, Shanghai University, Shanghai 200436, China



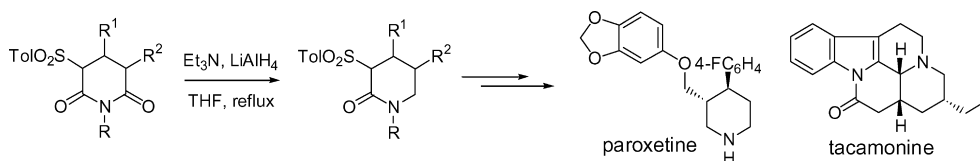
Regioselective reduction of *N*-alkyl-3-sulfonyl glutarimides to δ -lactams. Formal synthesis of (\pm)-paroxetine and (\pm)-tacamonine

Tetrahedron 59 (2003) 9383

Chung-Yi Chen,^a Bo-Rui Chang,^a Min-Ruei Tsai,^a Meng-Yang Chang^{b,*} and Nein-Chen Chang^{a,*}

^aDepartment of Chemistry, National Sun Yat-Sen University, Kaohsiung 804, Taiwan, ROC

^bDepartment of Applied Chemistry, National University of Kaohsiung, Kaohsiung 811, Taiwan, ROC

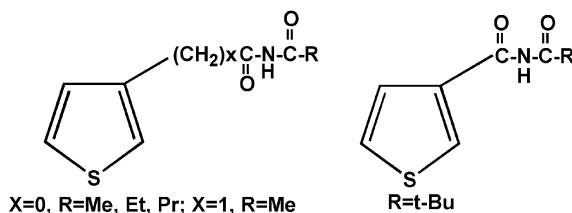


Synthesis and structural characterization of 3-thienyl alkyl imides

Tetrahedron 59 (2003) 9389

Jian Dai, Cynthia S. Day and Ronald E. Noftle^{*}

Department of Chemistry, Wake Forest University, Winston-Salem, NC 27109 USA

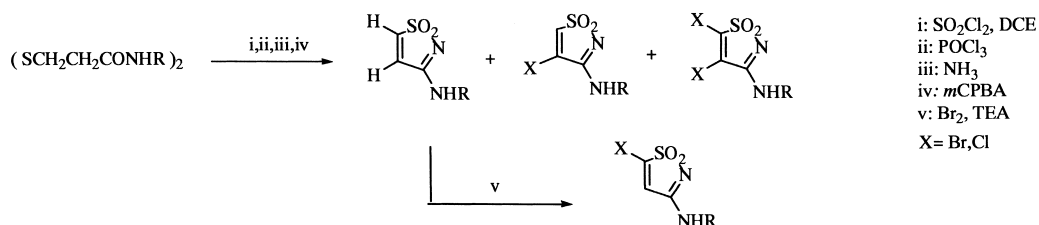


Isothiazoles. Part 14: New 3-aminosubstituted isothiazole dioxides and their mono- and dihalogeno derivatives

Tetrahedron 59 (2003) 9399

Francesca Clerici,^{*} Alessandro Contini, Maria Luisa Gelmi and Donato Pocar

Istituto di Chimica Organica 'A. Marchesini', Facoltà di Farmacia e Centro Interuniversitario di Ricerca sulle Reazioni Pericicliche e Sintesi di Sistemi Etero e Carbociclici, Università di Milano, Via Venezian 21, 20133 Milano, Italy

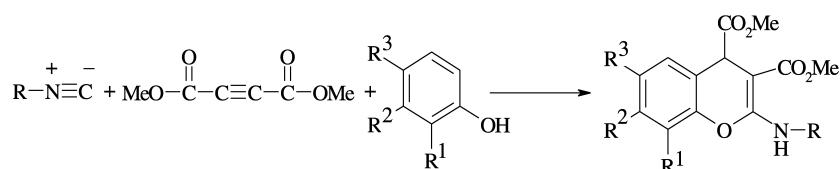


Reaction between alkyl isocyanides and dimethyl acetylenedicarboxylate in the presence of polyhydroxybenzenes. Synthesis of 4H-chromene derivatives

Tetrahedron 59 (2003) 9409

Issa Yavari,* Hoorieh Djahaniani and Farough Nasiri

Department of Chemistry, University of Tarbiat Modarres, P.O. Box 14115-175, Tehran, Iran



Improved synthesis of 1,4-dideoxy-1,4-imino-D-galactitol, an inhibitor of *E. coli* K12 UDP-Gal mutase and mycobacterial galactan biosynthesis

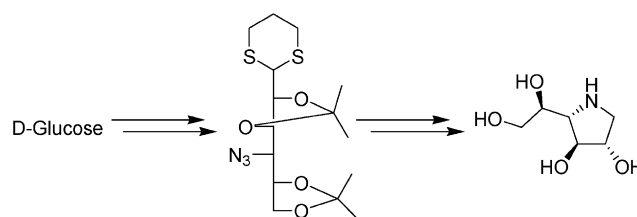
Tetrahedron 59 (2003) 9413

Duy-Phong Pham-Huu,^a Yonas Gizaw,^{a,b} James N. BeMiller^{a,*} and Ladislav Petruš^c

^aThe Whistler Center for Carbohydrate Research, Purdue University, West Lafayette, IN 47907-2009, USA

^bMiami Valley Laboratories, Procter and Gamble Company, Cincinnati, OH 45253, USA

^cInstitute of Chemistry, Slovak Academy of Sciences, SK 84238 Bratislava, Slovakia

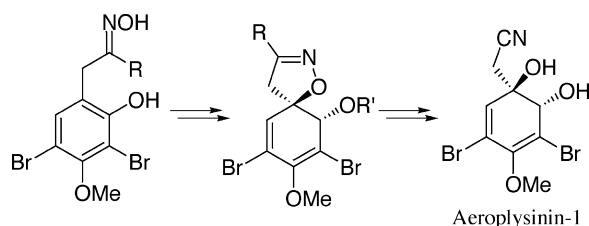


A new ring-opening access to aeroplysinin-1, a secondary metabolite of *Verongia aerophoba*

Tetrahedron 59 (2003) 9419

Takahisa Ogamino and Shigeru Nishiyama*

Department of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi 3-14-1, Kohoku-ku, Yokohama 223-8522, Japan

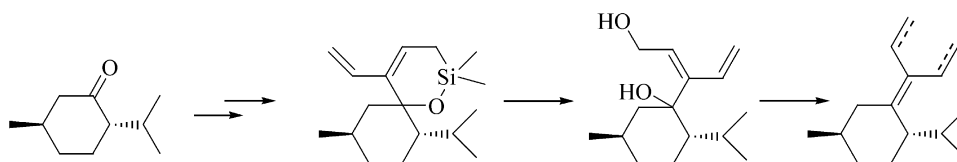


Synthesis of new terpene derivatives via ruthenium catalysis: rearrangement of silylated enynes derived from terpenoids

Tetrahedron 59 (2003) 9425

Jérôme Le Nôte, Ana Acosta Martinez, Pierre H. Dixneuf and Christian Bruneau*

Institut de Chimie, UMR 6509, Organométalliques et Catalyse, Université de Rennes 1 Campus de Beaulieu-35042 Rennes Cedex, France



Stereospecific palladium(0)-catalyzed reduction of 2-cyclobutylidenepropyl esters. A versatile preparation of diastereomeric monoterpenoids: (\pm)-fragranol and (\pm)-grandisol

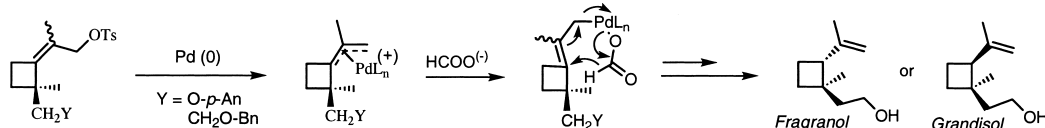
Tetrahedron 59 (2003) 9433

Angela M. Bernard,^a Angelo Frongia,^a Francesco Secci,^a Giovanna Delogu,^b Jean Ollivier,^c Pier P. Piras^{a,*} and Jacques Salaün^{c,*}

^aDipartimento di Scienze Chimiche, Università di Cagliari, Complesso Universitario di Monserrato, S.S. 554, Bivio per Sestu, I-09042 Monserrato, Cagliari, Italy

^bIstituto di Chimica Biomolecolare, Sez. Sassari, CNR, Traversa La Crucca 3, reg. Balinca, Li Punti, 07040 Sassari, Italy

^cLaboratoire des Carbocycles (CNRS), UMR 8615, Institut de Chimie Moléculaire d'Orsay, Bât. 420, Université de Paris-Sud, 91405 Orsay, France



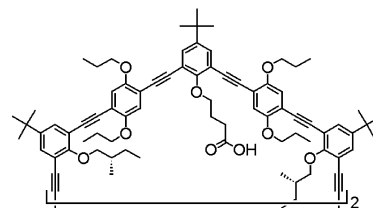
Synthesis of a shape-persistent macrocycle with intraannular carboxylic acid groups

Tetrahedron 59 (2003) 9441

Matthias Fischer and Sigurd Höger*

Max Planck Institute for Polymer Research, Ackermannweg 10, D-55128 Mainz, Germany

Flexible intraannular alkyl chains ensure the solubility of the macrocyclic diacid.

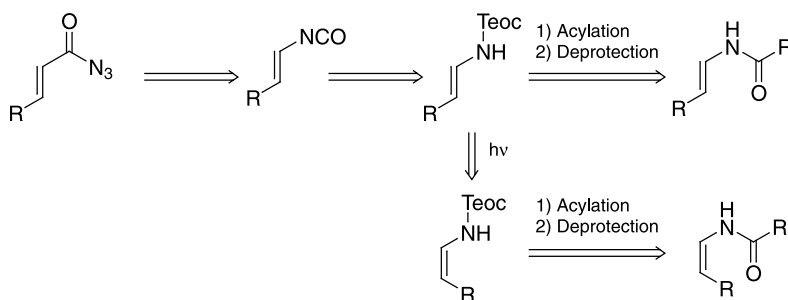


Synthetic study on indolic enamides

Tetrahedron 59 (2003) 9447

Kouji Kuramochi, Yuko Osada and Takeshi Kitahara*

Department of Applied Biological Chemistry,
The University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku,
Tokyo 113-8657, Japan



Gas-phase thermolysis of benzotriazole derivatives. Part 2: Synthesis of benzimidazo[1,2-*b*]cinnolines, a novel heterocyclic ring system, by pyrolysis of benzotriazole derivatives. Kinetic and mechanistic study

Tetrahedron 59 (2003) 9455

Hicham H. Dib, Nouria A. Al-Awadi,* Yehia A. Ibrahim and Osman M. E. El-Dusouqui

Department of Chemistry, Kuwait University,
P.O. Box 5969, Safat 13060, Kuwait

Substitution of (ArNHN=) group into benzotriazol-1-yl ketones led to ca. 10³-fold increase in rate of gas-phase pyrolysis, and provided a novel synthetic route to benzimidazole and benzimidazo[1,2-*b*]cinnoline heterocycles.

