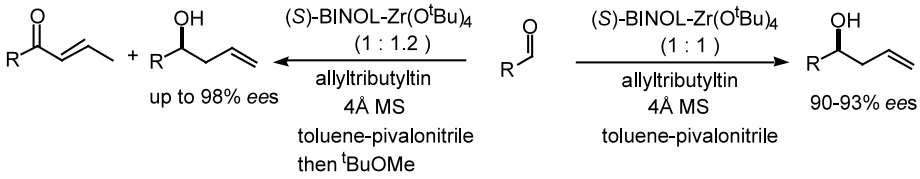
Catalytic asymmetric allylations of achiral and chiral aldehydes via BINOL–Zr complex

Tetrahedron Letters 43 (2002) 1765

Michio Kurosu* and Miguel Lorca

Department of Chemistry and Biochemistry, The Florida State University, Tallahassee, FL 32306, USA



Cyclooctatetraene dianion from 1,5-cyclooctadiene. A synthesis in the presence of naphthalene radical anion

Tetrahedron Letters 43 (2002) 1771

Leslie H. Simons and J. J. Lagowski*

Department of Chemistry and Biochemistry, The University of Texas at Austin, Austin, TX 78712, USA

After preparation of a potassium/naphthalene adduct, K_2COT is prepared over 3 days at room temperature in heptane/tetrahydrofuran.

$$\text{K+Naphthalene} \xrightarrow[\text{Reflux, 17 h}]{\text{Heptane, 1,5-COD}} \text{(K-NAP)}$$

$$\text{1,5-COD} \xrightarrow[\text{Heptane, rt, 3 days}]{\text{(K-NAP), THF}} \text{K}_2\text{COT}$$

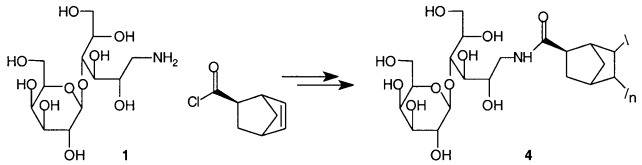
Aqueous vinyl-insertion polymerization of lactamine-functionalized norbornene by palladium(II) chloride

Tetrahedron Letters 43 (2002) 1775

Ming Hu,[a] Samir D. Najdi,[b] Kuang Jen Wu[c] and Mark J. Kurth[a,*]

[a]*Department of Chemistry, University of California, One Shields Avenue, Davis, CA 95616, USA*
[b]*Al-Quds Open University, East Jerusalem, Palestine*
[c]*Charles Evans & Associates, 301 Chesapeake Drive, Redwood City, CA 94063, USA*

A simple two-step route to glycopolymer **4** from lactamine (**1**) via *N*-acylation and polymerization is reported.

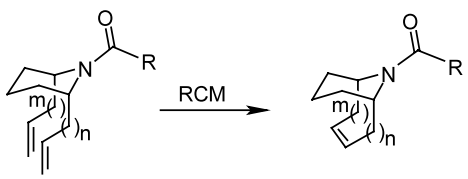


A ring-closing olefin metathesis approach to bridged azabicyclic structures

Tetrahedron Letters 43 (2002) 1779

Christopher E. Neipp and Stephen F. Martin*

Department of Chemistry and Biochemistry, The University of Texas, Austin, TX 78712, USA

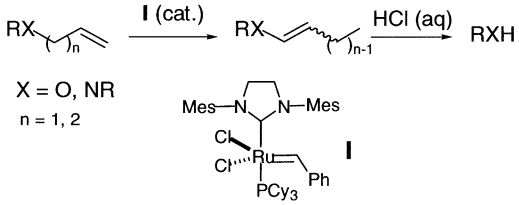


Tetrahedron Letters 43 (2002) 1839

Olefin isomerization by a ruthenium carbenoid complex. Cleavage of allyl and homoallyl groups

Christine Cadot, Peter I. Dalko and Janine Cossy*

Laboratoire de Chimie Organique associé au CNRS, ESPCI, 10, rue Vauquelin, 750231 Paris Cedex 05, France

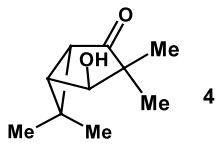


Tetrahedron Letters 43 (2002) 1843

Comparison between 'IgY technology' from chickens and 'IgG technology' from mice for production of tailor-made antibodies

Alain Krief,[a,*] Jean-Jacques Letesson[b] and Denis Billen[a,c]

[a]*Laboratoire de Chimie Organique de Synthèse, Département de Chimie, Facultés Universitaires Notre-Dame de la Paix, 61 rue de Bruxelles, Namur B-5000, Belgium*
[b]*Unité de Recherche en Biologie Moléculaire, Facultés Universitaires Notre-Dame de la Paix, 61 rue de Bruxelles, Namur B-5000, Belgium*
[c]*Fonds pour la Formation à la Recherche dans l'Industrie et dans l'Agriculture, 5 Rue d'Egmont, Bruxelles B-1050, Belgium*



4

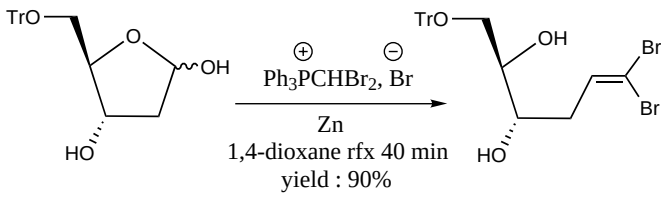
'IgY' raised towards a bicyclo[3.1.0]hexanone derivative related to **4** and which have been isolated from eggs of immunized chickens possess a closely related behavior to that of 'IgG' raised towards the same conjugate and which have been isolated from the spleen of immunized mice.

Tetrahedron Letters 43 (2002) 1847

Synthesis of 1,1-dibromo-1-alkenes from partially and unprotected aldoses

Franck Dolhem, Catherine Lièvre* and Gilles Demailly

Laboratoire de Chimie des Glucides, Université de Picardie Jules Verne, 33 Rue Saint-Leu, F-80039 Amiens, France

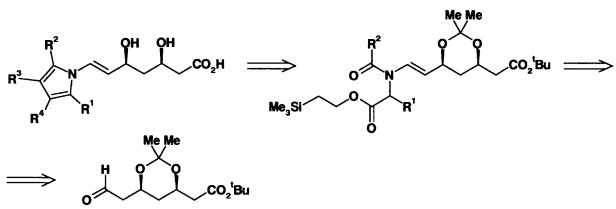


Tetrahedron Letters 43 (2002) 1851

A new synthesis of 3,5-dihydroxy-7-(1-pyrrolyl)-6-heptenoic acids, a family of HMGCoA reductase inhibitors with antifungal activity

Julia Castro, José M. Coterón, M. Teresa Fraile, Silvestre García-Ochoa,* Federico Gómez de las Heras and Antonio Martín-Cuesta

GlaxoSmithKline S.A., Severo Ochoa, 2 (PTM), Tres Cantos, Madrid 28760, Spain

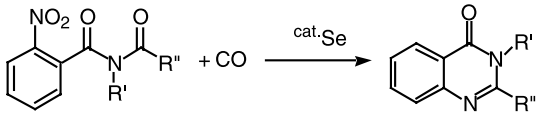


Tetrahedron Letters 43 (2002) 1855

Synthesis of 3,4-dihydroquinazolin-4-one: selenium-catalyzed reductive *N*-heterocyclization of *N*-(2-nitrobenzoyl)amides with carbon monoxide

Yutaka Nishiyama,* Masaharu Hirose, Wataru Kitagaito and Noboru Sonoda*

Department of Applied Chemistry, Faculty of Engineering, Kansai University, 3-3-35 Yamate chou, Suita, Osaka 564-8680, Japan

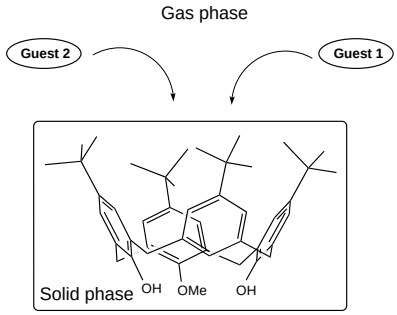


Tetrahedron Letters 43 (2002) 1859

Binding of guest with monodeoxycalix[4]arene host in solid state

Masaki Hirakata, Kosaku Yoshimura, Shuji Usui, Koji Nishimoto and Yoshimasa Fukazawa*

Department of Chemistry, Graduate School of Science, Hiroshima University, Higashi-Hiroshima 739-8526, Japan



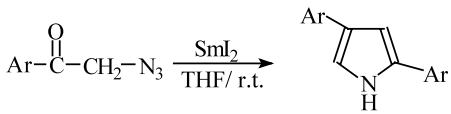
Tetrahedron Letters 43 (2002) 1863

SmI_2-mediated synthesis of 2,4-diarylpyrroles from phenacyl azides

Xuesen Fan[a,c] and Yongmin Zhang[a,b,*]

[a]*Department of Chemistry, Zhejiang University (Campus Xixi), Hangzhou 310028, PR China*
[b]*State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, PR China*
[c]*Department of Chemistry, Henan Normal University, Xinxiang 453002, PR China*

A novel preparation of 2,4-diarylpyrroles through SmI_2-mediated reduction of phenacyl azides is reported.



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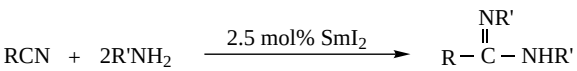
Tetrahedron Letters 43 (2002) 1867

Samarium diiodide promoted synthesis of *N*,*N*′-disubstituted amidines

Fan Xu, Jianhua Sun and Qi Shen*

Department of Chemistry, Suzhou University, Suzhou 215006, China



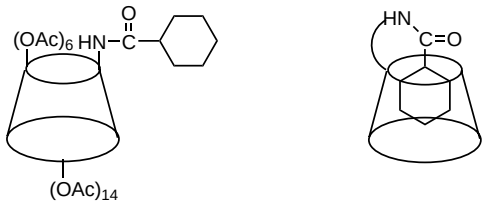
Tetrahedron Letters 43 (2002) 1871

Synthesis and intramolecular inclusion of β-cyclodextrins linked with a cyclohexyl group

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

Department of Chemistry, National University of Singapore, Singapore 117543

Cyclohexanecarboxylic acid (6^A-deoxy-β-cyclodextrin-6^A-*C*-yl)-amide (CHC-βCD) was synthesized via an aza-Wittig reaction and found to form in water, a temperature-independent intramolecular complex with its own cyclohexyl moiety. The analysis was based on data from 2D and variable-temperature NMR spectroscopy. The self-inclusion behavior of peracetylated CHC-βCD (PACHC-βCD) in chloroform was also investigated.



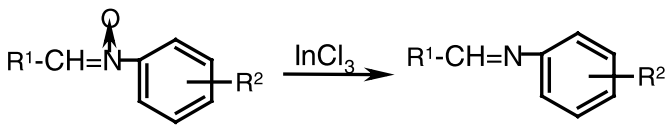
Tetrahedron Letters 43 (2002) 1877

An indium mediated efficient chemoselective deoxygenation of *N*-oxides and nitrones

Md Ilias, Dhiren C. Barman, Dipak Prajapati and Jagir S. Sandhu*

Regional Research Laboratory, Jorhat-785006, Assam, India

A simple and inexpensive procedure for the deoxygenation of *N*-oxides, such as *N*-arylnitrones, azoxybenzenes and *N*-heteroarene *N*-oxides with indium trichloride in acetonitrile at ambient pressure is described. The procedure gives high yields of deoxygenated products.

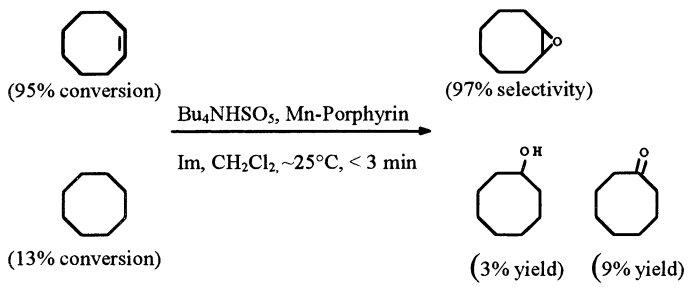


Tetrahedron Letters 43 (2002) 1881

Efficient oxygenation of hydrocarbons with tetrabutylammonium monopersulfate catalyzed by manganese *meso*-tetraphenylporphyrin in the presence of imidazole

Daryoush Mohajer* and Abdolreza Rezaeifard

Department of Chemistry, Shiraz University, Shiraz 71454, Iran

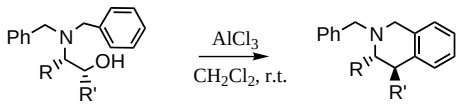


Tetrahedron Letters 43 (2002) 1885

Highly efficient synthesis of 3-alkyl/aryl-4-aryl-1,2,3,4-tetrahydroisoquinolines from *N*,*N*-dibenzylaminols

S. Chandrasekhar,[a,*] N. Ramakrishna Reddy,[a] M. Venkat Reddy,[a] B. Jagannadh,[a,*] A. Nagaraju,[a] A. Ravi Sankar[b] and A. C. Kunwar[b]

[a]*Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500 007, India*
[b]*Center for NMR, Indian Institute of Chemical Technology, Hyderabad 500 007, India*



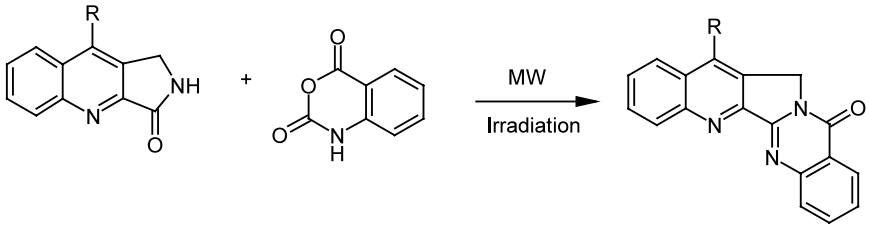
R = Alkyl, Aryl; R' = Aryl

Microwave-assisted rapid synthesis of the cytotoxic alkaloid luotonin A

Tetrahedron Letters 43 (2002) 1905

J. S. Yadav* and B. V. S. Reddy

Organic Chemistry Division-I, Indian Institute of Chemical Technology, Hyderabad 500007, India



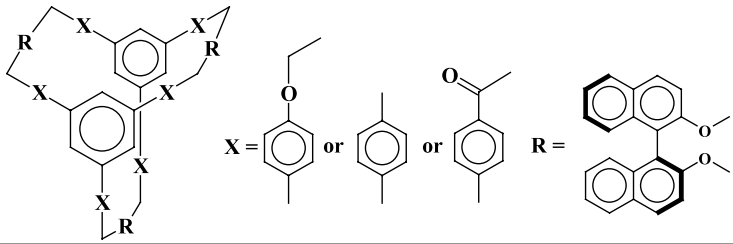
Synthesis of bicyclic cyclophanes with chiral cages by sixfold coupling

Tetrahedron Letters 43 (2002) 1909

Perumal Rajakumar* and Muthialu Srisailas

Department of Organic Chemistry, University of Madras, Guindy Campus, Chennai 600 025, India

Coupling of (*S*)-binol with various tribromides afforded bicyclic cyclophanes by sixfold coupling. Coupling of tricarbonyl tribromide with binol gave a novel chiral cyclophane with six co-ordination sites for complexation.

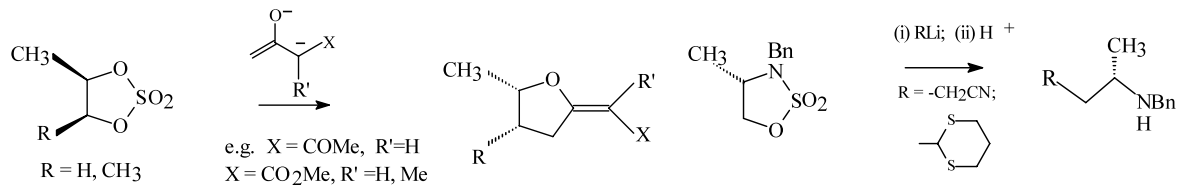


New carbon–carbon bond forming reactions of cyclic sulfate esters and cyclic sulfamidates

Tetrahedron Letters 43 (2002) 1915

Melanie K. Pound, Darren L. Davies, Melanie Pilkington, Maria M. de Pina Vaz Sousa and John D. Wallis*

Department of Chemistry and Physics, The Nottingham Trent University, Clifton Lane, Nottingham NG11 8NS, UK



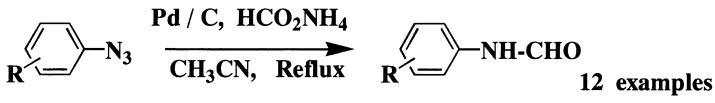
A chemoselective method for the reductive *N*-formylation of aryl azides under catalytic transfer hydrogenation conditions

Tetrahedron Letters 43 (2002) 1919

P. Ganapati Reddy and S. Baskaran*

Department of Chemistry, Indian Institute of Technology Madras, Chennai 600 036, India

A chemoselective method for the reductive formylation of aryl azides to the corresponding *N*-mono substituted formanilides is described (12 examples).



R = Sensitive functional groups