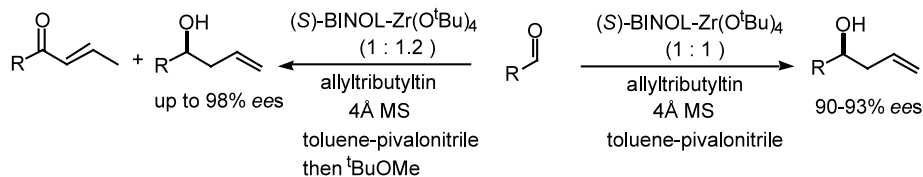


Catalytic asymmetric allylations of achiral and chiral aldehydes via BINOL-Zr complex*Tetrahedron Letters 43 (2002) 1765*

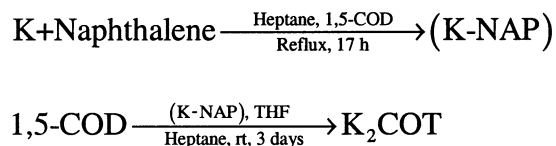
Michio Kurosu* and Miguel Lorca

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*

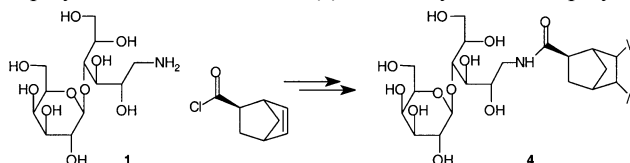
Leslie H. Simons and J. J. Lagowski*

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

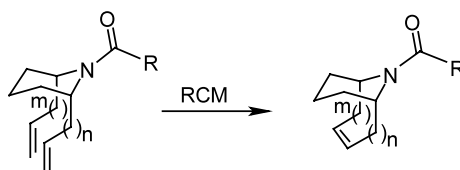
After preparation of a potassium/naphthalene adduct, K_2COT is prepared over 3 days at room temperature in heptane/tetrahydrofuran.

**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

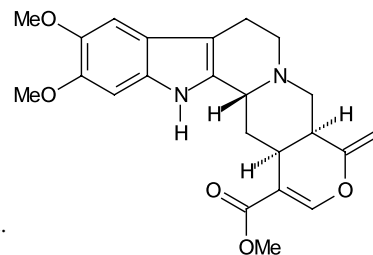
Darcyribeirine, a novel pentacyclic indole alkaloid from *Rauvolfia grandiflora* Mart.

Tetrahedron Letters 43 (2002) 1783

Náuvia Maria Cancelieri, Ivo José Curcino Vieira,* Jan Schripsema, Leda Mathias and Raimundo Braz-Filho

Setor de Química de Produtos Naturais-LCQUI-CCT,
Universidade Estadual do Norte Fluminense, 28015-620, Campos dos Goytacazes,
Rio de Janeiro, Brazil

Darcyribeirine, a new pentacyclic indole alkaloid was isolated from the root bark of the *Rauvolfia grandiflora* Mart. The structure was established by spectroscopic data.



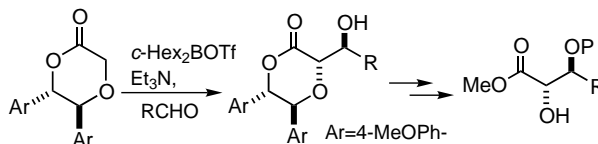
Glycolate aldol reactions with boron enolates of bis-4-methoxyphenyl dioxanone

Tetrahedron Letters 43 (2002) 1789

Merritt B. Andrus,* Kris G. Mendenhall, Erik L. Meredith and B. B. V. Soma Sekhar

Brigham Young University, Department of Chemistry and Biochemistry, C100 BNSN, Provo, UT 84602-5700, USA

Aldol reactions with a new diaryl-dioxane give *anti* products. The auxiliary is removed with CAN.



Hydroformylation of cyclopentenes, novel strategy for total synthesis of carba-D-fructofuranose

Tetrahedron Letters 43 (2002) 1793

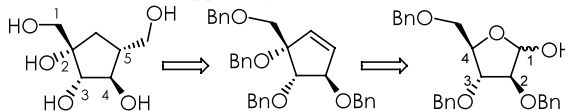
Mohindra Seepersaud,^a Mika Kettunen,^b Adnan S. Abu-Surrah,^c Timo Repo,^b Wolfgang Voelter^d and Yousef Al-Abed^a *

^aLaboratory of Medicinal Chemistry, The Picower Institute for Medical Research, 350 Community Drive, Manhasset, NY 11030, USA

^bDepartment of Chemistry, University of Helsinki, FIN-0014 Helsinki, Finland

^cDepartment of Chemistry, Hashemite University, PO Box 150459, Zarqa 13115, Jordan

^dPhysiologisch-chemisches Institut der Universität, Hoppe-Seyler-Strasse 4, D-72076 Tübingen, Germany



First asymmetric epoxidation catalysed by cyclohexanone monooxygenase

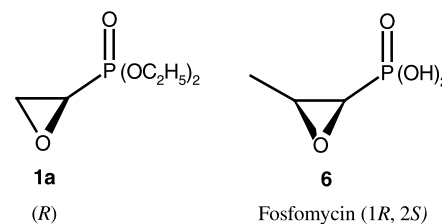
Tetrahedron Letters 43 (2002) 1797

Stefano Colonna,^{a,*} Nicoletta Gaggero,^a Giacomo Carrea,^b Gianluca Ottolina,^b Piero Pasta^b and Francesca Zambianchi^b

^aIstituto di Chimica Organica, Facoltà di Farmacia, via Venezian 21, 20133 Milano, Italy

^bIstituto di Biocatalisi e Riconoscimento Molecolare, CNR, via Mario Bianco 9, 20131 Milano, Italy

The first example of a totally enantioselective epoxidation mediated by cyclohexanone monooxygenase for a model compound related to fosfomicin is reported.

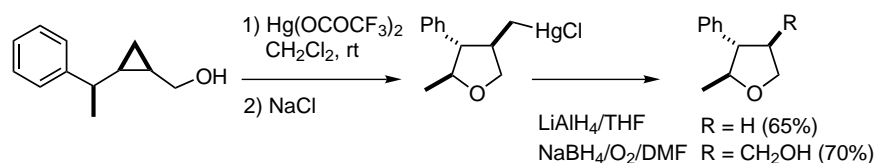


Stereoselective oxymercuration of cyclopropylcarbinols with anchimeric assistance by aromatic groups

Tetrahedron Letters 43 (2002) 1801

Janine Cossy,* Nicolas Blanchard and Christophe Meyer

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



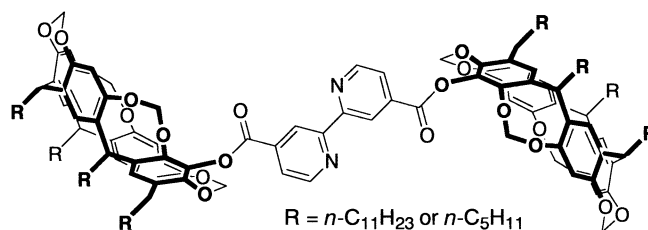
Synthesis and recognition behaviour of allosteric hemicarcerands

Tetrahedron Letters 43 (2002) 1807

Arne Lützen,* Oliver Haß and Torsten Bruhn

University of Oldenburg, Department of Chemistry, PO Box 2503, D-26111 Oldenburg, Germany

Bipyridine bridged bis(resorcinarenes) have been prepared. Upon co-ordinating to silver(I) ions these form hemicarcerand-like structures with the two resorcinarene moieties capable of binding non-polar organic molecules in a co-operative fashion.

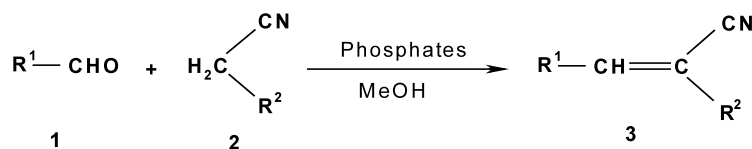


Natural phosphate doped with potassium fluoride and modified with sodium nitrate: efficient catalysts for the Knoevenagel condensation

Tetrahedron Letters 43 (2002) 1813

Saïd Sebti,* Abdellatif Smahi and Abderrahim Solhy

Laboratoire de Chimie Organique Appliquée et Catalyse, Université Hassan II, Faculté des Sciences Ben M'Sik B.P. 7955, Casablanca, Morocco



Tetraaza-2,2'-biphenylophanes: larger is not always more flexible. The role of intramolecular H-bonding in polyazamacrocycles

Tetrahedron Letters 43 (2002) 1817

M. Isabel Burguete,^a Beatriu Escuder,^a Enrique García-España,^b Laura López,^a Santiago V. Luis,^{a,*} Juan F. Miravet^a and Manel Querol^a

^aDepartamento de Química Inorgánica y Orgánica, Universitat Jaume I, 12080 Castellón, Spain

^bDepartamento de Química Inorgánica, Universitat de Valencia, 46100 Burjassot, Valencia, Spain

Intramolecular H-bonding can explain the trends in conformational flexibility for tetraaza-2,2'-biphenylophanes obtained by NMR and molecular dynamics calculations.

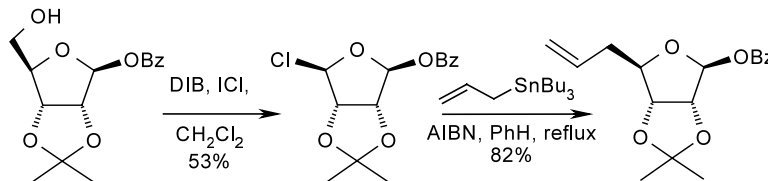


Synthesis of α,ω -differently substituted cyclic ethers from carbohydrates by β -fragmentation of alkoxy radicals

Tetrahedron Letters 43 (2002) 1821

Alicia Boto, Rosendo Hernández* and Ernesto Suárez*

Instituto de Productos Naturales y Agrobiología del C.S.I.C., Carretera de La Esperanza 3, 38206-La Laguna, Tenerife, Spain



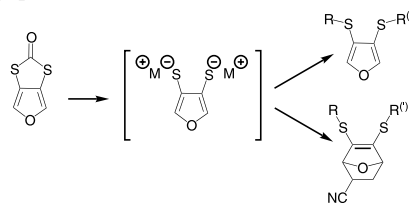
Access to 3,4-furan dithiolate: towards 3,4-dialkylsulfanylfurans and their Diels–Alder adducts with acrylonitrile

Tetrahedron Letters 43 (2002) 1825

Pierre Frère,^{a,*} Nuria Gallego-Planas,^a Philippe Blanchard,^a Gilles Mabon^a and David Rondeau^b

^a*Ingénierie Moléculaire et Matériaux Organiques, CNRS UMR 6501, Université d'Angers, 2 Bd Lavoisier, 49045 Angers Cedex, France*

^b*Service Commun d'Analyses Spectroscopiques, Université d'Angers, 2 Bd Lavoisier, 49045 Angers Cedex, France*

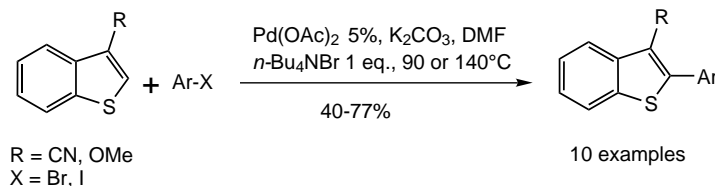


Synthesis of new 2-arylbenzo[*b*]thiophenes using 'Heck-type' technology

Tetrahedron Letters 43 (2002) 1829

Jérémie Fournier Dit Chabert, Christel Gozzi and Marc Lemaire*

Laboratoire de Catalyse et Synthèse Organique, Université Claude Bernard Lyon 1, UMR 5622, Bât 308 CPE, 43 Bd. Du 11 Novembre 1918, 69616 Villeurbanne Cedex, France

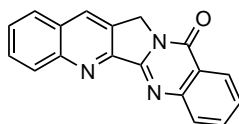


A new synthesis of the cytotoxic alkaloid Luotonine A

Tetrahedron Letters 43 (2002) 1835

Sabrina Dallavalle* and Lucio Merlini

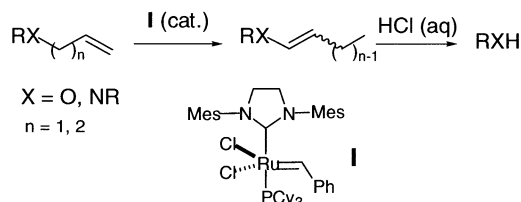
Dipartimento di Scienze Molecolari Agroalimentari, Università di Milano, via Celoria 2, 20133 Milano, Italy



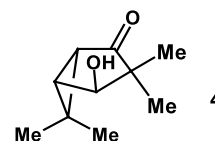
Olefin isomerization by a ruthenium carbenoid complex. Cleavage of allyl and homoallyl groups

Christine Cadot, Peter I. Dalko and Janine Cossy*

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



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

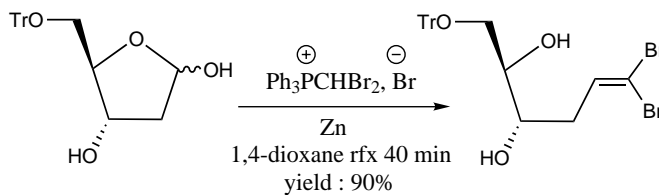
Alain Krief,^{a,*} Jean-Jacques Letesson^b and Denis Billen^{a,c}^aLaboratoire de Chimie Organique de Synthèse, Département de Chimie, Facultés Universitaires Notre-Dame de la Paix, 61 rue de Bruxelles, Namur B-5000, Belgium^bUnité de Recherche en Biologie Moléculaire, Facultés Universitaires Notre-Dame de la Paix, 61 rue de Bruxelles, Namur B-5000, Belgium^cFonds pour la Formation à la Recherche dans l'Industrie et dans l'Agriculture, 5 Rue d'Egmont, Bruxelles B-1050, Belgium

'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.

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

Franck Dolhem, Catherine Lièvre* and Gilles Demailly

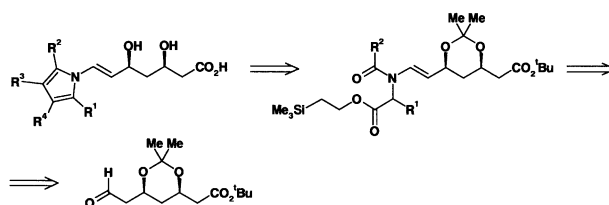
Laboratoire de Chimie des Glucides, Université de Picardie Jules Verne, 33 Rue Saint-Leu, F-80039 Amiens, France



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

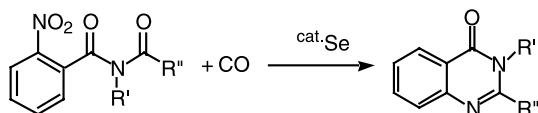


Synthesis of 3,4-dihydroquinazolin-4-one: selenium-catalyzed reductive *N*-heterocyclization of *N*-(2-nitrobenzoyl)amides with carbon monoxide

Tetrahedron Letters 43 (2002) 1855

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

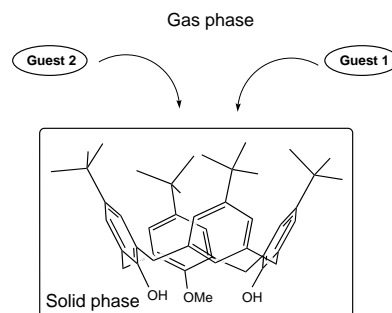


Binding of guest with monodeoxycalix[4]arene host in solid state

Tetrahedron Letters 43 (2002) 1859

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



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

Tetrahedron Letters 43 (2002) 1863

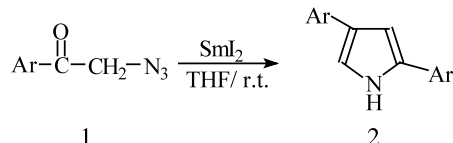
Xuesen Fan^{a,c} and Yongmin Zhang^{a,b,*}

^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.

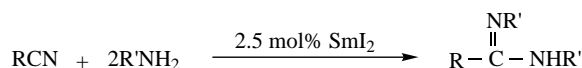


Samarium diiodide promoted synthesis of *N,N'*-disubstituted amidines

Tetrahedron Letters 43 (2002) 1867

Fan Xu, Jianhua Sun and Qi Shen*

Department of Chemistry, Suzhou University, Suzhou 215006, China



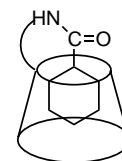
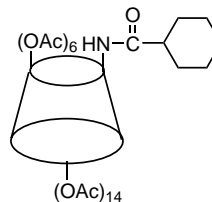
Synthesis and intramolecular inclusion of β -cyclodextrins linked with a cyclohexyl group

Tetrahedron Letters 43 (2002) 1871

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- β CD) 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- β CD (PACHC- β CD) in chloroform was also investigated.



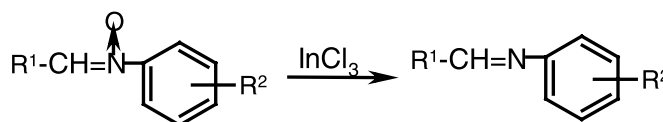
An indium mediated efficient chemoselective deoxygenation of *N*-oxides and nitrones

Tetrahedron Letters 43 (2002) 1877

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.

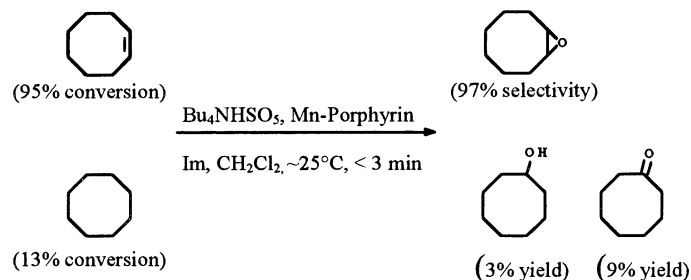


Efficient oxygenation of hydrocarbons with tetrabutylammonium monopersulfate catalyzed by manganese *meso*-tetraphenylporphyrin in the presence of imidazole

Tetrahedron Letters 43 (2002) 1881

Daryoush Mohajer* and Abdolreza Rezaeifard

Department of Chemistry, Shiraz University, Shiraz 71454, Iran



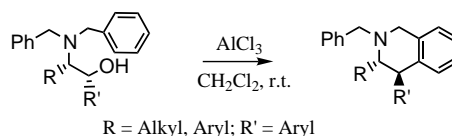
Highly efficient synthesis of 3-alkyl/aryl-4-aryl-1,2,3,4-tetrahydroisoquinolines from *N,N*-dibenzylaminols

Tetrahedron Letters 43 (2002) 1885

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*

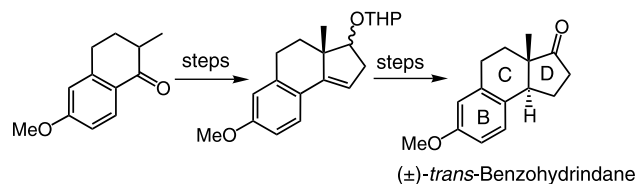


A novel one-pot annelation, decarboxylation reaction: synthesis of (\pm)-*trans*-benzohydrindane

Tetrahedron Letters 43 (2002) 1889

T. Ravindranathan,* Subhash P. Chavan,* Sachindra S. Patil and Ganesh Pai

Division of Organic Chemistry: Technology, National Chemical Laboratory, Pune 411008, India

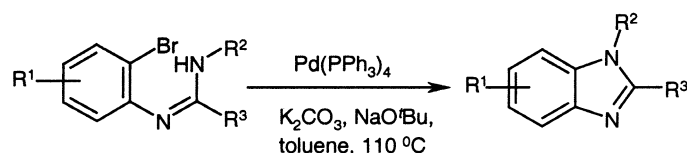


An intramolecular palladium-catalysed aryl amination reaction to produce benzimidazoles

Tetrahedron Letters 43 (2002) 1893

Christopher T. Brain* and Shirley A. Brunton

Novartis Institute for Medical Sciences, 5 Gower Place, London WC1E 6BS, UK

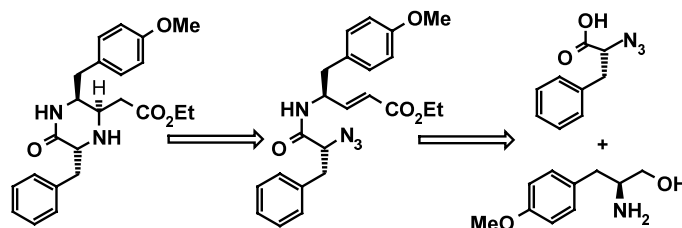


A novel application of a [3+2] cycloaddition reaction for the synthesis of the piperazinone rings of pseudotheonamides A_1 and A_2

Tetrahedron Letters 43 (2002) 1897

Mukund K. Gurjar,* Sukhen Karmakar, Debendra K. Mohapatra and Usha D. Phalgun

National Chemical Laboratory, Pune 411 008, India



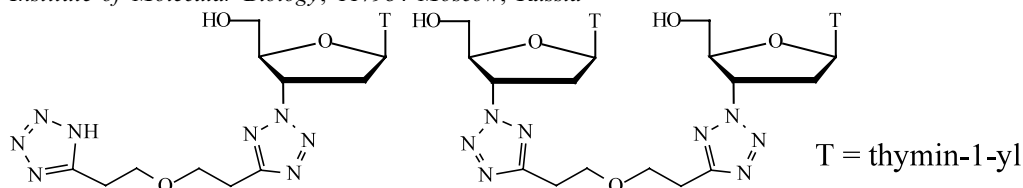
Synthesis of novel thymidine derivatives containing a polycyclic tetrazole linker

Tetrahedron Letters 43 (2002) 1901

Vyacheslav V. Filichev,^a Maxim V. Jasko,^b Alexander A. Malin,^a Vadim Yu. Zubarev^a and Vladimir A. Ostrovskii^{a,*}

^a*St.-Petersburg State Institute of Technology, 198013, St.-Petersburg, Moskovskii pr. 26, Russia*

^b*Engelhardt Institute of Molecular Biology, 117984 Moscow, Russia*

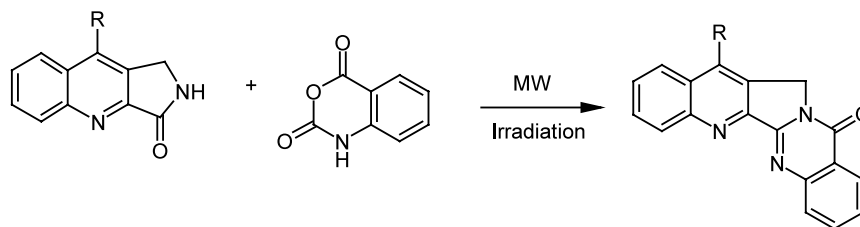


Microwave-assisted rapid synthesis of the cytotoxic alkaloid luotonin A

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



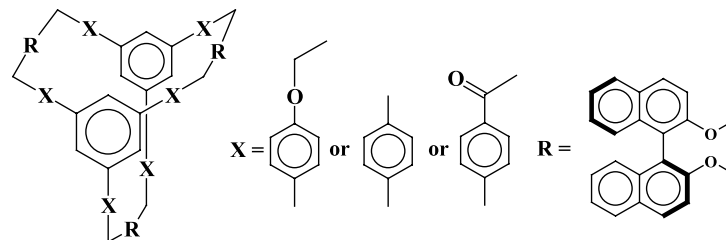
Synthesis of bicyclic cyclophanes with chiral cages by sixfold coupling

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.

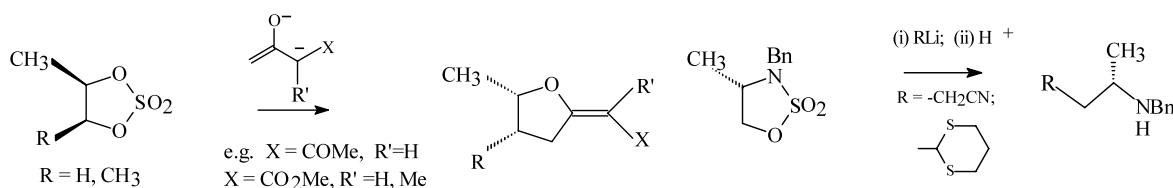


New carbon-carbon bond forming reactions of cyclic sulfate esters and cyclic sulfamidates

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 formamides is described (12 examples).

