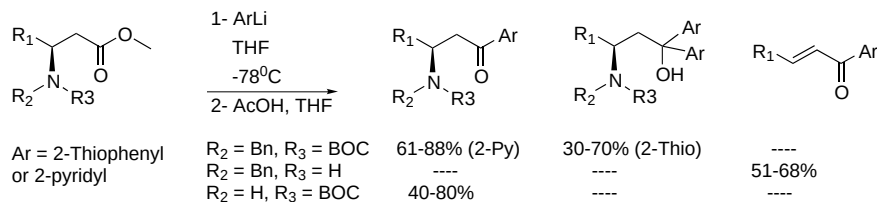


Synthesis of β -amino arylketones through the addition of ArLi derivatives to β -aminoesters

Tetrahedron Letters 42 (2001) 3525

 Paulo G. Lima,^{a,b} Lucia C. Sequeira^b and Paulo R. R. Costa^{a,*}
^aLaboratório de Química Bioorgânica (LQB), Núcleo de Pesquisas de Produtos Naturais, Centro de Ciências da Saúde, bloco H, Ilha da Cidade Universitária, Universidade Federal do Rio de Janeiro (UFRJ), 21941-590 Rio de Janeiro, Brazil

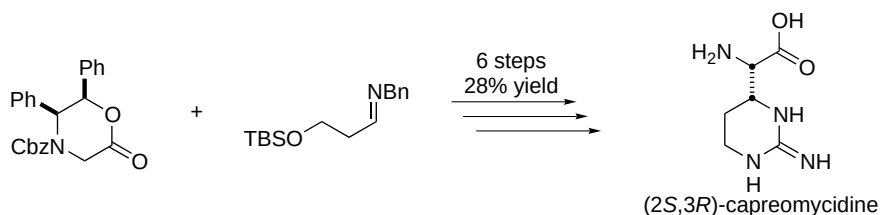
^bInstituto de Química, Universidade Federal do Rio de Janeiro (UFRJ), 21941-590 Rio de Janeiro, Brazil


The asymmetric synthesis of (2*S*,3*R*)-capreomycinide

Tetrahedron Letters 42 (2001) 3529

Duane E. DeMong and Robert M. Williams*

Department of Chemistry, Colorado State University, Fort Collins, CO 80523, USA

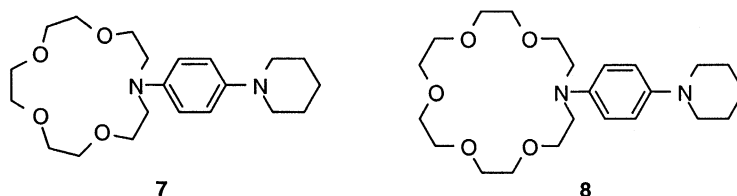


Crown-annulated *p*-phenylenediamine derivatives as electrochemical and fluorescence responsive chemosensors: synthesis via arene–ruthenium chemistry

Tetrahedron Letters 42 (2001) 3533

Anthony J. Pearson* and Jiunn-Jye Hwang

Department of Chemistry, Case Western Reserve University, Cleveland, OH 44106, USA

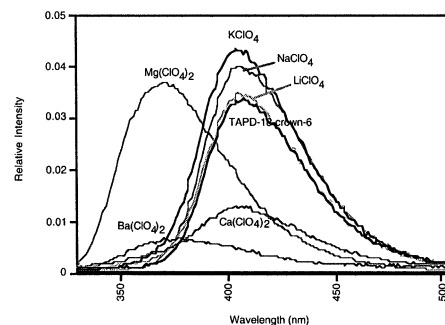


Crown-annulated *p*-phenylenediamine derivatives as electrochemical and fluorescence responsive chemosensors: fluorescence studies

Tetrahedron Letters 42 (2001) 3537

Anthony J. Pearson,* Jiunn-Jye Hwang and Michael E. Ignatov

Department of Chemistry, Case Western Reserve University, Cleveland, OH 44106, USA

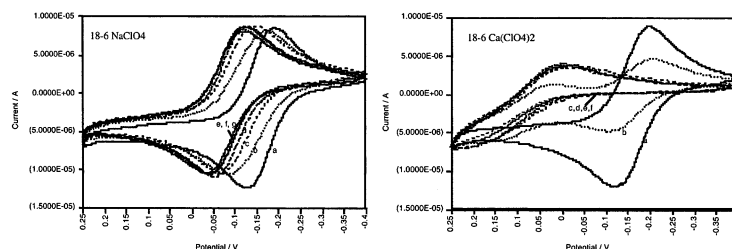


Crown-annelated *p*-phenylenediamine derivatives as electrochemical and fluorescence-responsive chemosensors: cyclic voltammetry studies

Tetrahedron Letters 42 (2001) 3541

Anthony J. Pearson* and Jiunn-Jye Hwang

Department of Chemistry, Case Western Reserve University, Cleveland, OH 44106, USA

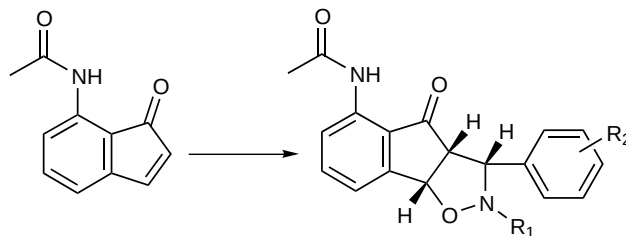


Lanthanide triflate catalyzed 1,3-dipolar cycloaddition reactions: stereoselective synthesis of indenoisoxazolidines

Tetrahedron Letters 42 (2001) 3545

David A. Nugiel*

DuPont Pharmaceuticals, Box 80336, Wilmington, DE 19880-0336, USA



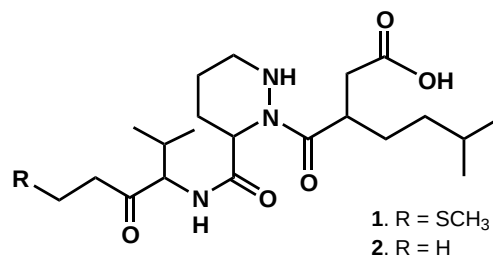
Isolation and structure elucidation of two novel deformylase inhibitors produced by *Streptomyces* sp.

Tetrahedron Letters 42 (2001) 3549

Min Chu,* Ronald Mierzwa, Ling He, Ling Xu, Frank Gentile, Joseph Terracciano, Mahesh Patel, Lynn Miesel, Samantha Bohanon, Cynthia Kravec, Christina Cramer, Thierry O. Fischman, Alan Hruza, Lata Ramanathan, Petia Shipkova and Tze-Ming Chan

Schering Plough Research Institute, 2015 Galloping Hill Road, Kenilworth, NJ 07033, USA

Two novel pseudopeptides, Sch 382582 (**1**) and Sch 382583 (**2**), were discovered from *Streptomyces* sp. as deformylase inhibitors. Structures of both compounds were elucidated by spectroscopic data analyses. Both **1** and **2** showed potent peptide deformylase inhibitory activity with $K_i^* = 60$ nM.

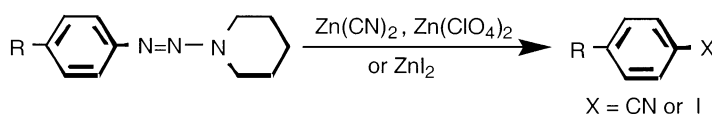


Zinc(II) promoted conversion of aryltriazenes to aryl iodides and aryl nitriles

Tetrahedron Letters 42 (2001) 3553

Timothy B. Patrick,* Thomas Juehne, Elmer Reeb and Daniel Hennessy

Chemistry Department, Southern Illinois University, Edwardsville, IL 62026, USA

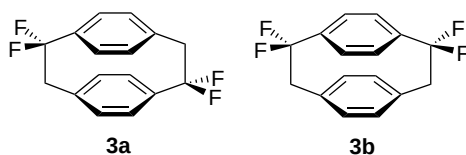


Convenient synthesis and single-crystal X-ray structures of two tetrafluoro[2,2]paracyclophane isomers

Tetrahedron Letters 42 (2001) 3555

Alfonso Dávila, Jorge O. Escobedo, Mark W. Read, Frank R. Fronczek and Robert M. Strongin*

Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803, USA



Synthesis and characterization of [3,3]- and [3,4]-perinophane

Tetrahedron Letters 42 (2001) 3559

Erwin Buncel,^{a,*} Nabil L. Mailloux,^a R. Stephen Brown,^a

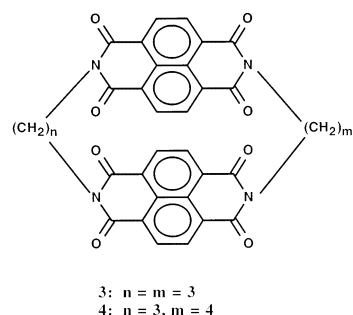
Peter M. Kazmaier^b and Julian Dust^c

^a*Department of Chemistry, Queen's University, Kingston, Ontario, Canada K7L 3N6*

^b*Xerox Research Center of Canada, Mississauga, Ontario, Canada L5K 2L1*

^c*Department of Chemistry and Environmental Science, Sir Wilfred Grenfell College, Corner Brook, Newfoundland, Canada A2H 6P9*

The synthesis of symmetrical and unsymmetrical perinophanes **3** and **4** is described via consecutive reaction of 1,4,5,8-naphthalenetetracarboxylic acid dianhydride with 1,*n*-diaminoalkane and 1,*m*-diaminoalkane.



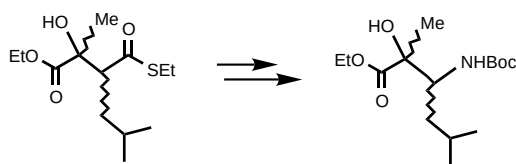
Concise enantio- and diastereoselective synthesis of α -hydroxy- α -methyl- β -amino acids

Tetrahedron Letters 42 (2001) 3563

Rolf Roers and Gregory L. Verdine*

Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford St., Cambridge, MA 02138, USA

A catalytic aldol reaction and a modified Curtius rearrangement are key steps of a synthesis of α -hydroxy- α -methyl- β -amino acids that allows full control of both chiral centers.

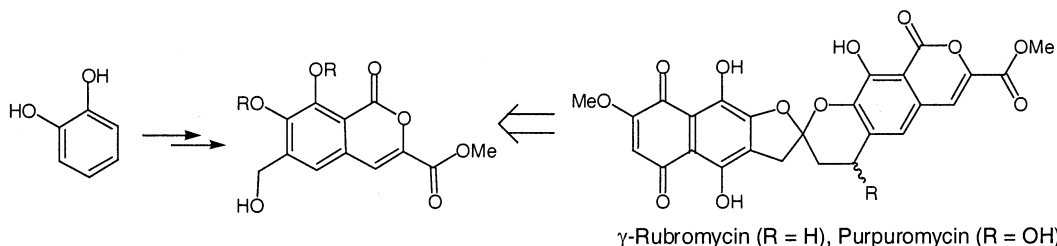


Synthesis of the isocoumarin portion of the rubromycins

Tetrahedron Letters 42 (2001) 3567

Stephen P. Waters and Marisa C. Kozlowski*

Department of Chemistry, Roy and Diana Vagelos Laboratories, University of Pennsylvania, Philadelphia, PA 19104, USA

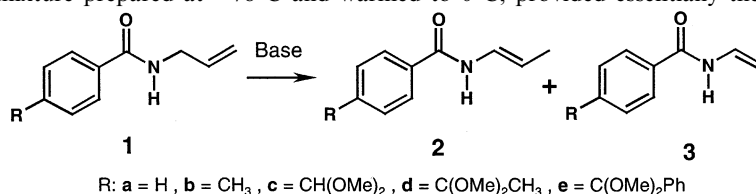


Tetrahedron Letters 42 (2001) 3571

Pierre Ribèreau,* Madeleine Delamare, Sylvain Célanière and Guy Quéguiner

CNRS, IRCOF/Université et INSA de ROUEN, BP 08, 76131 Mont Saint Aignan, France

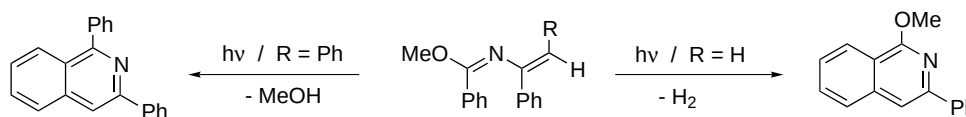
Isomerization with LDA at -78°C afforded the corresponding (*E*)-*N*-(prop-1-enyl)benzamides **2** in good yields. With *n*-butyllithium, the mixture prepared at -78°C and warmed to 0°C , provided essentially the (*Z*)-isomers **3**.



Tetrahedron Letters 42 (2001) 3575

Pedro J. Campos,* Míriam Caro and Miguel A. Rodríguez

Departamento de Química, Universidad de La Rioja, Grupo de Síntesis Química de La Rioja, Unidad Asociada al CSIC, Madre de Dios, 51, 26006 Logroño, Spain



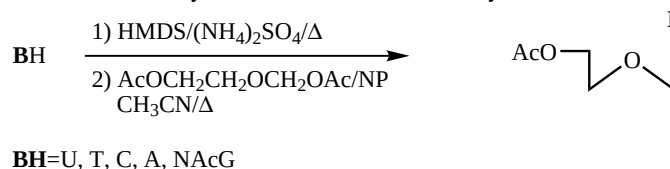
Tetrahedron Letters 42 (2001) 3579

A. Alahiane,^a A. Rochdi,^a M. Taourirte,^a N. Redwane,^a S. Sebt^b and H. B. Lazrek^{a,*}

^aLaboratoire de Chimie Bio-organique, Faculté des Sciences Semlalia, BP 2390, Université Cadi Ayyad, Marrakesh, Morocco

^bLaboratoire de Chimie Organique Appliquée, Faculté des Sciences Ben M'Sik, BP 7955, Université Hassan II, Sidi Othmane Casablanca, Morocco

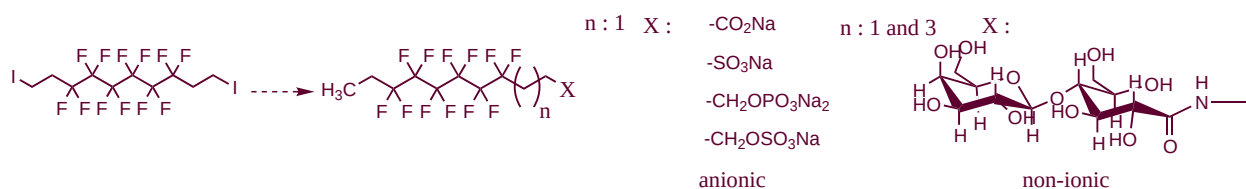
Natural phosphate (NP) has been successfully used as a Lewis acid catalyst for nucleobase alkylations.



Tetrahedron Letters 42 (2001) 3583

Yann Chaudier, Philippe Barthélemy and Bernard Pucci*

Université d'Avignon, Laboratoire de Chimie Bioorganique et des Systèmes Moléculaires Vectoriels, Faculté des Sciences,
33 rue Louis Pasteur, 84000 Avignon, France



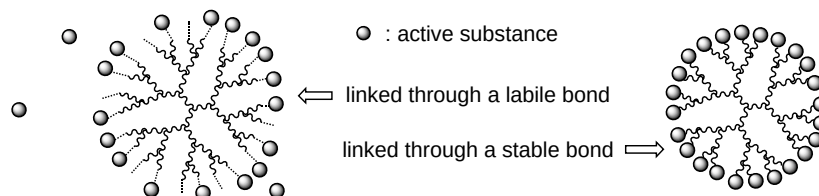
Phosphorus dendrimers as new tools to deliver active substances

Tetrahedron Letters 42 (2001) 3587

Rudolf Göller,^a Jean-Pierre Vors,^b Anne-Marie Caminade^{a,*}
and Jean-Pierre Majoral^{a,*}

^aLaboratoire de Chimie de Coordination du CNRS, 205 route de Narbonne, 31077 Toulouse Cedex 4, France

^bAventis CropScience, 14-20 rue Pierre Baizet, BP 9163, 69263 Lyon Cedex 9, France



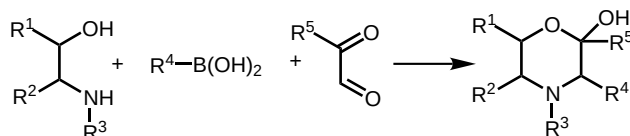
A new access to 2-hydroxymorpholines through a three-component Petasis coupling reaction

Tetrahedron Letters 42 (2001) 3591

Fabienne Berrée,^a Abdelmadjid Debache,^b Yoann Marsac^a and Bertrand Carboni^{a,*}

^aSynthèse et Electrosynthèse Organique, UMR CNRS 6510, Bat 10A, Institut de Chimie, Université de Rennes 1, Campus de Beaulieu, F-35042 Rennes CEDEX, France

^bInstitut de Chimie, Université de Constantine, 25000 Constantine, Algeria



Synthesis and cation complexation studies of a new tetra-(2-pyridylmethyl)amide calix[4]arene

Tetrahedron Letters 42 (2001) 3595

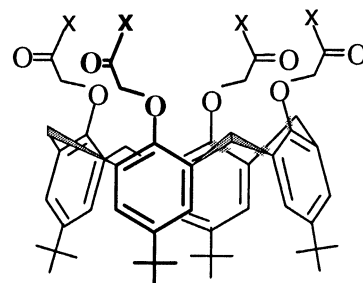
Abdelwaheb Hamdi,^a Rym Abidi,^{a,*} Malika Trabelsi Ayadi,^a
Pierre Thuéry,^{b,*} Martine Nierlich,^b Zouhair Asfari^c and Jacques Vicens^{c,*}

^aUniversité de Bizerte, Facultés des Sciences, 7021 Zarzouna-Bizerte, Tunisia

^bCEA/Saclay, SCM (CNRS URA 331), Bât. 125, 91191 Gif-sur-Yvette, France

^cEcole Chimie Polymères Matériaux, Laboratoire de Chimie des Interactions Moléculaires Spécifiques, associé au CNRS, 25, rue Becquerel, F-67087 Strasbourg, Cédex 2, France

The synthesis of a new tetra(2-pyridylmethyl)amide calix[4]arene (X = NHCH₂Py) is reported. Its binding properties towards alkali and alkaline earth metals, transition metals and lanthanides have been determined along with the complexes stoichiometries.



Synthesis of novel dendrimers incorporating a dye into the core

Tetrahedron Letters 42 (2001) 3599

Jidong Zhang,^{*} Gérémy Drugeon and Nathalie L'hermite

Medicinal Chemistry, Aventis Research Center Paris, 102 route de Noisy, 93235 Romainville Cedex, France

A divergent synthetic approach was established for the preparation of two novel dendrimers which contain both a dye (Red 1) in the core, and six and nine terminal *t*-Boc-protected primary amine groups, respectively. These novel dendrimers, visible to human eyes, were an interesting target in our research of new carriers for active entities and/or antibodies.

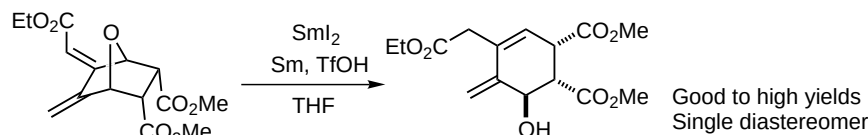
Regioselective cleavage of the cyclic ethereal bond of 7-oxabicyclo-[2.2.1]heptane derivatives mediated by samarium(II) iodide

Tetrahedron Letters 42 (2001) 3603

Akihiro Yoshida and Hiroaki Takayama*

Faculty of Pharmaceutical Sciences, Teikyo University, Sagamiko, Kanagawa 199-0195, Japan

This is the first example of regiospecific reductive cleavage of the C–O bond of 7-oxabicyclo[2.2.1]heptanes by low valent metal reagents.

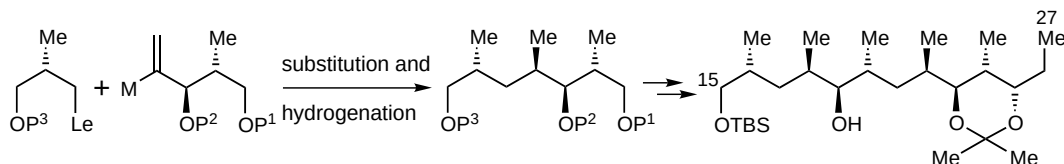


Synthesis of the C15–C27 portion of venturicidins: a formal total synthesis of venturicidin X

Tetrahedron Letters 42 (2001) 3607

Keiji Tsunashima, Mitsuaki Ide, Hiroshi Kadoi, Aya Hirayama and Masaya Nakata*

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



Novel synthesis of alkenes via triethylaluminum-induced free radical reactions of alkyl iodides and β -nitrostyrenes

Tetrahedron Letters 42 (2001) 3613

Jing-Yuan Liu, Ju-Tsung Liu and Ching-Fa Yao*

Department of Chemistry, National Taiwan Normal University 88, Sec. 4, Tingchow Road, 116 Taipei, Taiwan, ROC

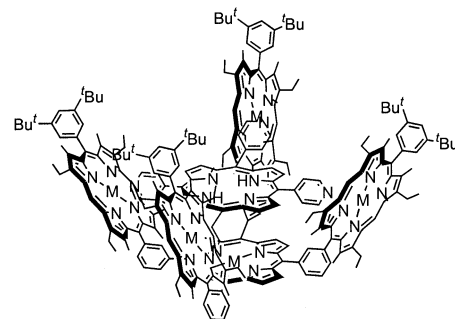


Supramolecular assembly of light harvesting porphyrin hexamer

Tetrahedron Letters 42 (2001) 3617

Hideyuki Shinmori, Takashi Kajiwara and Atsuhiko Osuka*

Department of Chemistry, Graduate School of Science, Kyoto University, Kyoto 606-8502, Japan

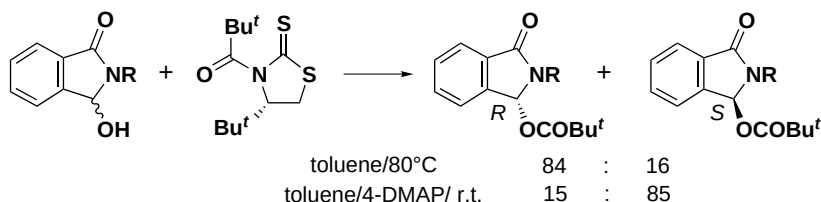


Dynamic kinetic resolution of hemiaminals with axially chiral twisted amides

Tetrahedron Letters 42 (2001) 3621

Shinji Yamada* and Emiko Noguchi

Department of Chemistry, Faculty of Science, Ochanomizu University, Bunkyo-ku, Tokyo 112-8610, Japan

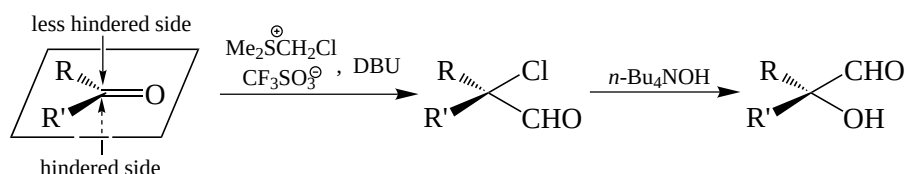


Novel methods for synthesizing 2-chloroaldehyde from carbonyl compounds and converting it into 2-hydroxyaldehyde derivatives

Tetrahedron Letters 42 (2001) 3625

Ken-ichi Sato,* Takao Sekiguchi and Shoji Akai

Laboratory of Organic Chemistry, Faculty of Engineering, Kanagawa University, 3-27-1, Rokkakubashi, Kanagawa-ku, Yokohama 221-8686, Japan



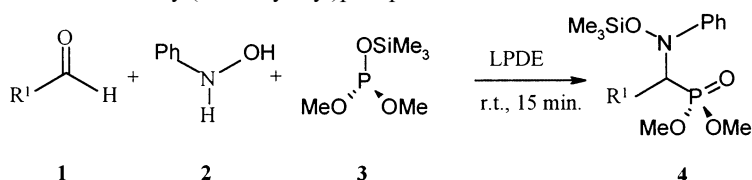
One-pot synthesis of *N*-trimethylsilyloxy- α -amino phosphonates from aldehydes using lithium perchlorate/diethyl ether as a catalyst

Tetrahedron Letters 42 (2001) 3629

Akbar Heydari,* Mahmoud Zarei, Reza Alijanianzadeh and Hossein Tavakol

Chemistry Department, Tarbiat Modarres University, PO Box 14155-4838, Tehran, Iran

A simple and efficient one-pot method was developed to give *N*-trimethylsilyloxy- α -amino phosphonates from aldehydes + hydroxylamines + dimethyl(trimethylsilyl)phosphonates in LPDE.

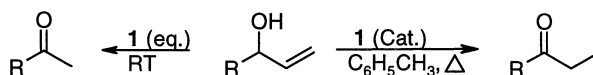


Temperature-dependent isomerisation versus net fragmentation of secondary allylic alcohols with Grubbs' catalyst

Tetrahedron Letters 42 (2001) 3633

Mukund K. Gurjar* and Pedduri Yakambram

National Chemical Laboratory, Pune 411 008, India

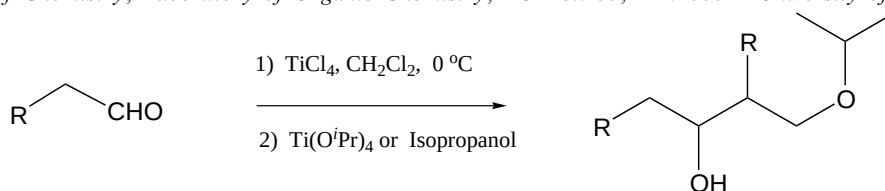


Novel 1,3-diol monoethers by a triple tandem aldolization/etherification/Meerwein–Ponndorf–Verley reduction of aliphatic aldehydes

Tetrahedron Letters 42 (2001) 3637

Nina Aremo and Tapio Hase*

Department of Chemistry, Laboratory of Organic Chemistry, BO Box 55, FIN-00014 University of Helsinki, Finland



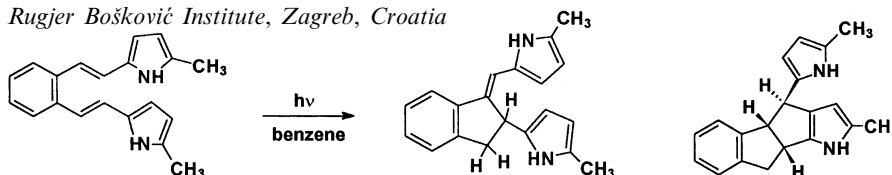
New photoinduced intramolecular ring closure to a benzopentaleno–pyrrole derivative from 5,5'-dimethyl-2,2'-(*o*-phenylenedivinylene)dipyrrole

Tetrahedron Letters 42 (2001) 3641

Nikola Basarić,^a Željko Marinić^b and Marija Šindler-Kulyk^{a,*}

^a*Department of Organic Chemistry, Faculty of Chemical Engineering and Technology, University of Zagreb, Marulićev trg 19, HR-10000 Zagreb, Croatia*

^b*NMR Center, The Rugjer Bošković Institute, Zagreb, Croatia*



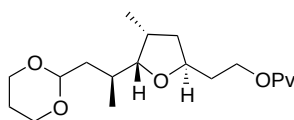
Synthesis of the A ring segment of gambieric acid

Tetrahedron Letters 42 (2001) 3645

Isao Kadota,^a Nao Oguro^b and Yoshinori Yamamoto^{b,*}

^a*Research Center for Organic Resources and Material Chemistry, Institute for Chemical Reaction Science, Tohoku University, Sendai 980-8578, Japan*

^b*Department of Chemistry, Graduate School of Science, Tohoku University, Sendai 980-8578, Japan*



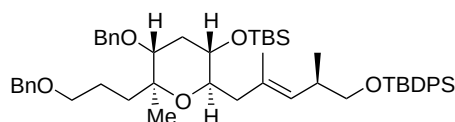
Synthesis of the J ring segment of gambieric acid

Tetrahedron Letters 42 (2001) 3649

Isao Kadota,^a Hiroyoshi Takamura^b and Yoshinori Yamamoto^{b,*}

^a*Research Center for Organic Resources and Material Chemistry, Institute for Chemical Reaction Science, Tohoku University, Sendai 980-8578, Japan*

^b*Department of Chemistry, Graduate School of Science, Tohoku University, Sendai 980-8578, Japan*



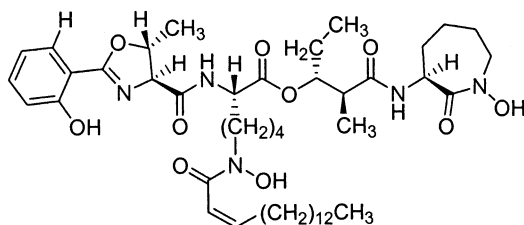
Structure and absolute configuration of mycobactin J

Tetrahedron Letters 42 (2001) 3653

Brett D. Schwartz and James J. De Voss*

Department of Chemistry, University of Queensland, Brisbane, Queensland 4072, Australia

The complete structure and stereochemistry of mycobactin J, the siderophore from *M. avium* subsp. *paratuberculosis*, is reported.

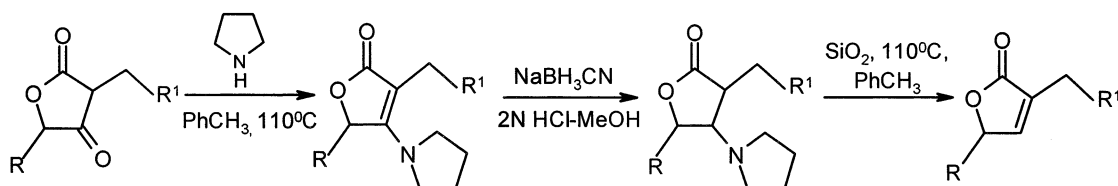


A new efficient synthesis of alkyl substituted Δ^2 -butenolides

Tetrahedron Letters 42 (2001) 3657

Felix S. Pashkovsky,* Yadviga M. Katok, Tatyana S. Khlebnicova and Fedor A. Lakhvich

Institute of Bioorganic Chemistry of National Academy of Sciences, Kuprevicha str. 5/2, Minsk 220141, Belarus

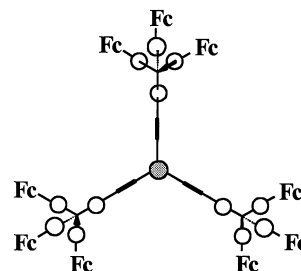


Tetraphenylmethane-based tectons in dendrimer synthesis: convergent assembly of ferrocene dendrimers

Tetrahedron Letters 42 (2001) 3659

Saumitra Sengupta* and Subir Kumar Sadhukhan

Department of Chemistry, Jadavpur University, Calcutta 700 032, India



Regioselectivity in the ring opening of 2-phenyl-1,3-dioxan-2-yl radicals derived from cyclic benzylidene acetals and comparison with deoxygenation of a carbohydrate diol via its cyclic thionocarbonate

Tetrahedron Letters 42 (2001) 3663

Brian P. Roberts* and Teika M. Smits

Department of Chemistry, University College London, 20 Gordon Street, London WC1H 0AJ, UK

