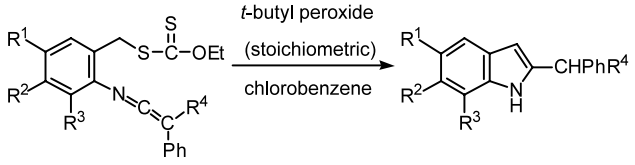
First radical addition onto ketenimines: a novel synthesis of indoles

Tetrahedron Letters 44 (2003) 3027

Mateo Alajarin, Angel Vidal* and Maria-Mar Ortin

Departamento de Quimica Organica, Facultad de Quimica, Universidad de Murcia, Campus de Espinardo, Espinardo 30071, Murcia, Spain

Ketenimines react with benzylic radicals in an intramolecular process providing a new radical tin-free route to indoles.

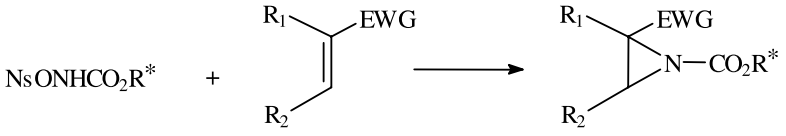


Reagent-controlled diastereoselective aminations with a new chiral nosyloxycarbamate

Tetrahedron Letters 44 (2003) 3031

Stefania Fioravanti,* Alberto Morreale, Lucio Pellacani* and Paolo A. Tardella*

Dipartimento di Chimica dell'Università degli Studi di Roma 'La Sapienza', P. le Aldo Moro 2, I-00185 Roma, Italy



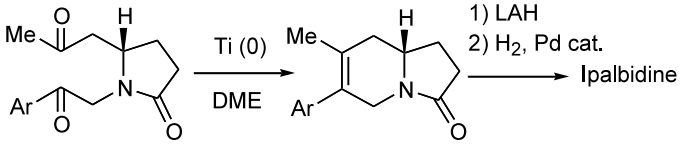
Enantiospecific synthesis of an indolizidine alkaloid, (+)-ipalbidine

Tetrahedron Letters 44 (2003) 3035

Toshio Honda,* Hidenori Namiki, Hiromasa Nagase and Hirotake Mizutani

Faculty of Pharmaceutical Sciences, Hoshi University, Ebara 2-4-41, Shinagawa, Tokyo 142-8501, Japan

Enantiospecific total synthesis of (+)-ipalbidine was achieved starting from (−)-pyroglutamic acid by employing an intramolecular McMurry coupling reaction, as a key step.



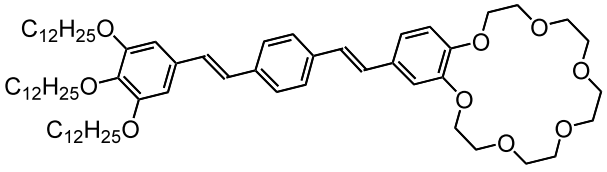
Alkali cation induced liquid crystalline properties of an oligophenylenevinylene-benzocrown ether conjugate

Tetrahedron Letters 44 (2003) 3039

Manuel Gutiérrez-Nava,[a] Matthieu Jaeggy,[a] Hélène Nierengarten,[b] Patrick Masson,[a] Daniel Guillon,[a] Alain Van Dorsselaer[b,*] and Jean-François Nierengarten[a,*]

[a]*Groupe des Matériaux Organiques, Institut de Physique et Chimie des Matériaux de Strasbourg, Université Louis Pasteur et CNRS, 23 rue du Loess, B.P. 43, 67034 Strasbourg Cedex 2, France*

[b]*Laboratoire de Spectrométrie de Masse Bio-Organique, Université Louis Pasteur et CNRS, 25 rue Becquerel, 67087 Strasbourg Cedex 2, France*

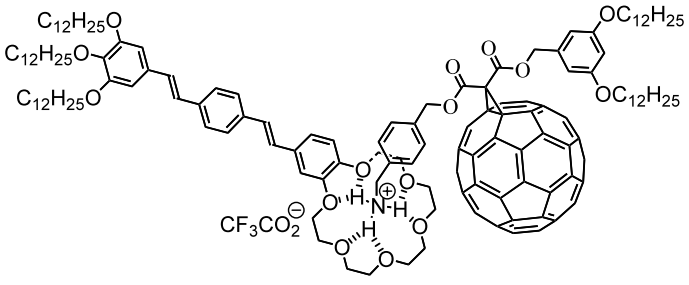


A supramolecular oligophenylenevinylene–C_{60} conjugate

Tetrahedron Letters 44 (2003) 3043

Manuel Gutiérrez-Nava,[a] Hélène Nierengarten,[b] Patrick Masson,[a] Alain Van Dorsselaer[b,*] and Jean-François Nierengarten[a,*]

[a]*Groupe des Matériaux Organiques, Institut de Physique et Chimie des Matériaux de Strasbourg, Université Louis Pasteur et CNRS, 23 rue du Loess, BP 43, 67034 Strasbourg Cedex 2, France*
[b]*Laboratoire de Spectrométrie de Masse Bio-Organique, Université Louis Pasteur et CNRS, 25 rue Becquerel, 67087 Strasbourg Cedex 2, France*

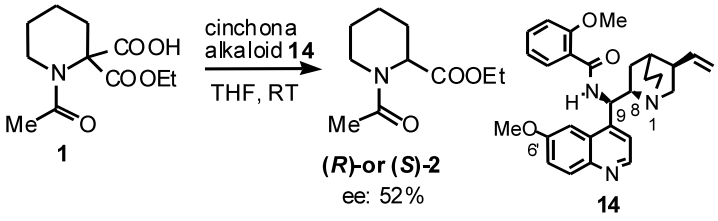


Enantioselective decarboxylation–reprotonation of an α-amino malonate derivative as a route to optically enriched cyclic α-amino acid

Tetrahedron Letters 44 (2003) 3047

Louis M.-A. Rogers, Jacques Rouden, Ludovic Lecomte and Marie-Claire Lasne*

Laboratoire de Chimie Moléculaire et Thioorganique, UMR CNRS 6507, ENSICAEN and Université de Caen-Basse Normandie, 6 Boulevard du Maréchal Juin, 14050 Caen Cedex, France

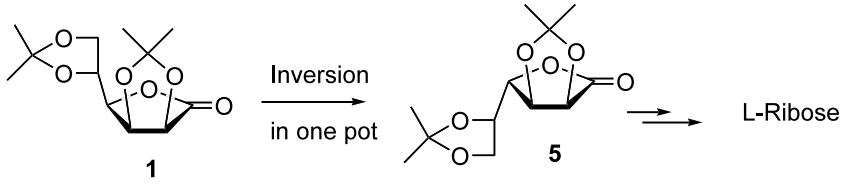


One-pot inversion of D-mannono-1,4-lactone for the practical synthesis of L-ribose

Tetrahedron Letters 44 (2003) 3051

Myung Joon Seo,[a] Joungho An,[a] Jae Hak Shim[b] and Guncheol Kim[b,*]

[a]*HanChem Co., Ltd, Jeonmin Dong, Yusung Gu, Daejeon 305-390, Republic of Korea*
[b]*Department of Chemistry, College of Natural Sciences, Chungnam National University, Daejon 305-764, Republic of Korea*

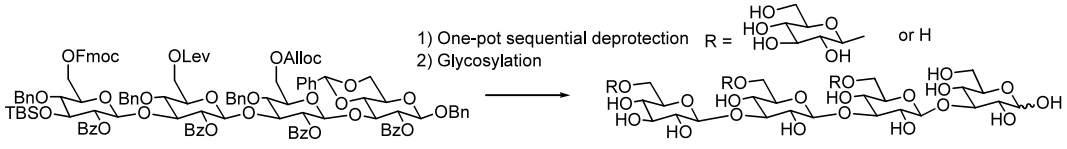


Parallel synthesis of multi-branched oligosaccharides related to elicitor active pentasaccharide in rice cell based on orthogonal deprotection and glycosylation strategy

Tetrahedron Letters 44 (2003) 3053

Hiroshi Tanaka, Toru Amaya and Takashi Takahashi*

Department of Applied Chemistry, Graduate School of Science and Engineering, Tokyo Institute of Technology, 2-12-1 Ookayama, Meguro, Tokyo 152-8552, Japan



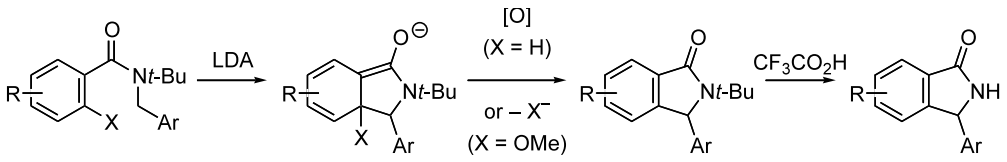
Tetrahedron Letters 44 (2003) 3059

2,3-Dihydroisoindolones by cyclisation and rearomatisation of lithiated benzamides

Jonathan Clayden* and Christel J. Menet

Department of Chemistry, University of Manchester, Oxford Road, Manchester M13 9PL, UK

Cyclic enolates formed on lithiation of tertiary aromatic *N*-benzyl amides undergo oxidation or elimination to return aromatic 2,3-dihydroisoindolones.

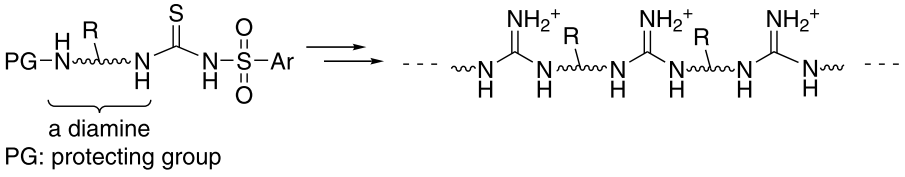


Tetrahedron Letters 44 (2003) 3063

Oligomeric guanidine synthesis assisted by TFA-sensitive arylsulfonylthiourea

Zhongsheng Zhang,[a,b] Tyan Carter[c] and Erkang Fan[a,b,*]

[a]*Biomolecular Structure Center, Department of Biochemistry, Box 357742, University of Washington, Seattle, WA 98195, USA*
[b]*Biomolecular Structure Center, Department of Biological Structure, Box 357742, University of Washington, Seattle, WA 98195, USA*
[c]*Biomolecular Structure Center, Department of Chemistry, Box 357742, University of Washington, Seattle, WA 98195, USA*



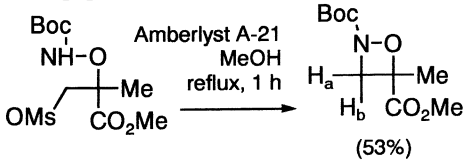
Tetrahedron Letters 44 (2003) 3067

Synthesis of the 4-methyl-1,2-oxazetidine-4-carboxylic acid moiety of the originally proposed halipeptin A and B structures

Barry B. Snider* and Jeremy R. Duvall

Department of Chemistry MS 015, Brandeis University, Waltham, MA 02454-9110, USA

The oxazetidinecarboxylate was prepared and shown to have a 8.5 Hz geminal coupling constant, rather than the 12.0 Hz coupling constant observed in halipeptins A and B.

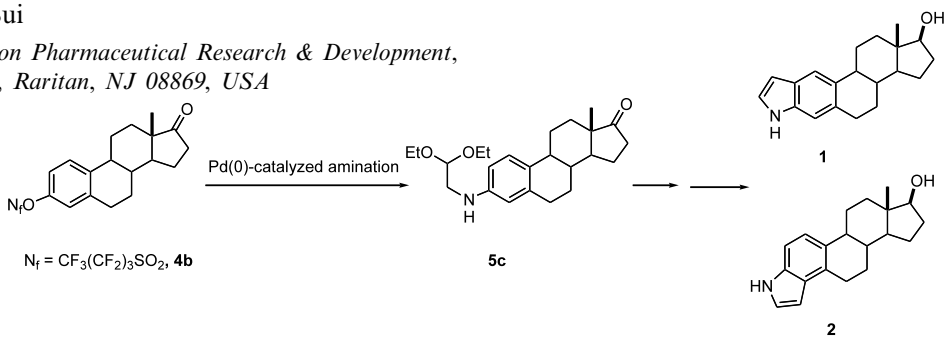


Tetrahedron Letters 44 (2003) 3071

An efficient synthesis of novel estrieno[2.3-*b*] and [3.4-*c*]pyrroles

Xuqing Zhang* and Zhihua Sui

Drug Discovery, Johnson & Johnson Pharmaceutical Research & Development, L.L.C., 1000 Route 202, Box 300, Raritan, NJ 08869, USA



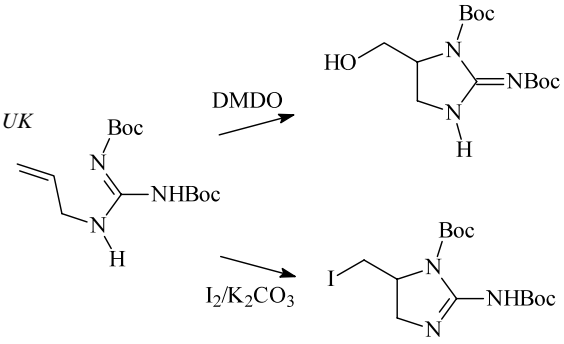
Intramolecular guanidine epoxide ring opening reactions

Tetrahedron Letters 44 (2003) 3075

Mark Dennis,[a] Louise M. Hall,[a] Patrick J. Murphy,[a,*]
Andrew J. Thornhill,[a] Robert Nash,[b] Ana L. Winters,[b]
Michael B. Hursthouse,[c] Mark E. Light[c] and Peter Horton[c]

[a]*Department of Chemistry, University of Wales, Bangor, Gwynedd LL57 2UW, UK*
[b]*Institute of Grassland and Environmental Research, Plas Gogerddan, Aberystwyth SY23 3EB, UK*
[c]*EPSRC National Crystallography Service, Department of Chemistry, University of Southampton, Highfield, Southampton SO17 1BJ, UK*

The synthesis of a range of cyclic guanidines via intramolecular ring opening of epoxides or iodocyclisation is reported, together with a preliminary investigation of the glycosidase inhibitory activity of these substances.

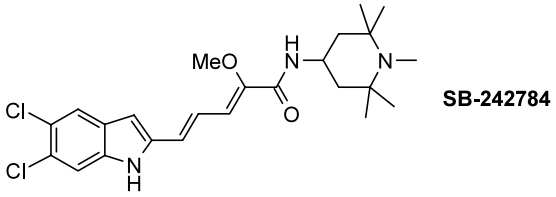


Towards the synthesis of osteoclast inhibitor SB-242784

Tetrahedron Letters 44 (2003) 3081

Jose J. Conde,* Michael McGuire and Michael Wallace

Department of Synthetic Chemistry, GlaxoSmithKline Pharmaceuticals, 709 Swedeland, PO Box 1539, King of Prussia, PA 19406, USA



SB-242784

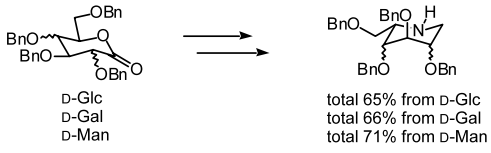
Efficient synthesis of 1-deoxy-azasugars as useful synthetic tools

Tetrahedron Letters 44 (2003) 3085

Daisuke Sawada, Hideyo Takahashi and Shiro Ikegami*

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

1-Deoxy-azasugars are efficiently prepared from sugarlactones using Mitsunobu reaction and they are applied to the synthesis of a natural product.



D-Glc
D-Gal
D-Man

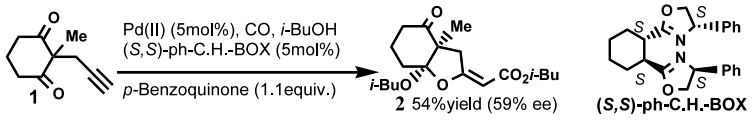
total 65% from D-Glc
total 66% from D-Gal
total 71% from D-Man

Asymmetric cyclization–carbonylation of 2-propargyl-1,3-dione

Tetrahedron Letters 44 (2003) 3089

Keisuke Kato,[a,*] Maki Tanaka,[a] Shigeo Yamamura,[a]
Yasuhiro Yamamoto[b] and Hiroyuki Akita[a,*]

[a]*School of Pharmaceutical Sciences, Toho University, 2-2-1 Miyama, Funabashi, Chiba 274-8510, Japan*
[b]*Department of Chemistry, Faculty of Science, Toho University, 2-2-1 Miyama, Funabashi, Chiba 274-8510, Japan*



2 54%yield (59% ee)

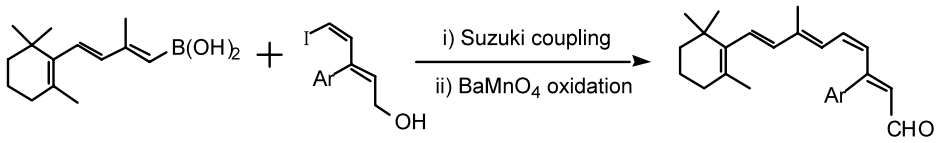
(*S,S*)-ph-C.H.-BOX

Tetrahedron Letters 44 (2003) 3093

Trienylboronic acid, a versatile coupling tool for retinoid synthesis; stereospecific synthesis of 13-aryl substituted (11*Z*)-retinal

Jun'ichi Uenishi,[a,*] Katsuaki Matsui[a] and Akimori Wada[b]

[a]*Kyoto Pharmaceutical University, Misasagi, Yamashina, Kyoto 607-8412, Japan*
[b]*Kobe Pharmaceutical University, Motoyamakita-machi, Higashinada, Kobe 658-8558, Japan*

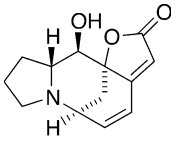


Tetrahedron Letters 44 (2003) 3097

Secu'amamine A, a novel indolizidine alkaloid from *Securinega suffruticosa* var. *amamiensis*

Ayumi Ohsaki,[a,*] Haruaki Ishiyama,[b] Kaisuke Yoneda[c] and Jun'ichi Kobayashi[b,*]

[a]*Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Tokyo 101-0062, Japan*
[b]*Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo 060-0812, Japan*
[c]*Graduate School of Pharmaceutical Sciences, Osaka University, Suita, Osaka 565-0871, Japan*



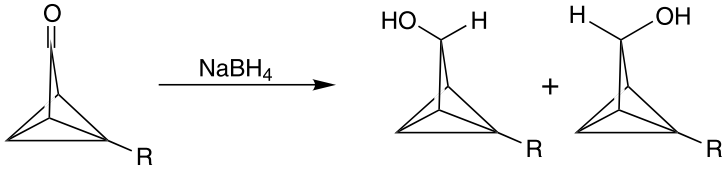
secu'amamine A

Tetrahedron Letters 44 (2003) 3101

The tricyclo[2.1.0.0^{2,5}]pentan-3-one system: a new probe for the study of π-facial selectivity in nucleophilic additions

Goverdhan Mehta,[a,*] S. Robindro Singh,[a] U. Deva Priyakumar[b] and G. Narahari Sastry[b,*]

[a]*Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India*
[b]*Molecular Modelling Group, Organic Chemical Sciences, Indian Institute of Chemical Technology, Hyderabad 500 007, India*



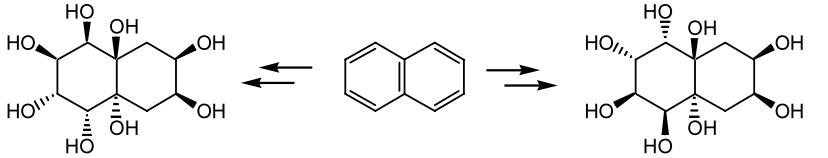
R = CH_2OMe 35% 65%

Tetrahedron Letters 44 (2003) 3105

Quest for inosito-inositols: synthesis of novel, annulated and conformationally locked inositols

Goverdhan Mehta* and Senaiar S. Ramesh

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India



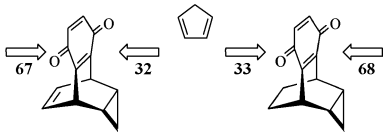
annulated *neo*-inositol annulated *chiro*-inositol

Tetrahedron Letters 44 (2003) 3109

Face-selectivity in [4+2]-cycloadditions to novel polycyclic benzoquinones. Remarkable stereodirecting effects of a remote cyclopropane ring and an olefinic bond

Goverdhan Mehta,[a,*] Celine Le Droumaguet,[a] Kabirul Islam,[a] Anakuthil Anoop[b] and Eluvathingal D. Jemmis[b,*]

[a]*Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India*
[b]*School of Chemistry, University of Hyderabad, Hyderabad 500134, India*

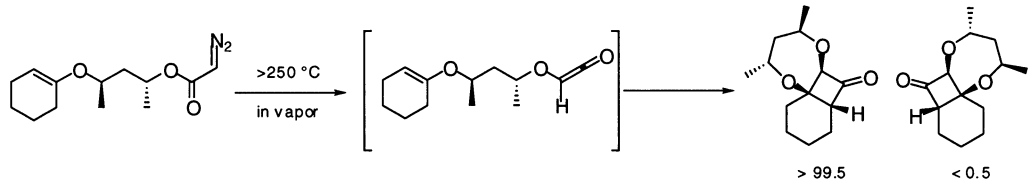


Tetrahedron Letters 44 (2003) 3115

Asymmetric synthesis by vapor phase pyrolysis

Takashi Sugimura,* Takahiro Tei and Tadashi Okuyama

Graduate School of Science, Himeji Institute of Technology, 3-2-1 Kohto, Kamigori, Ako-gun, Hyogo 678-1297, Japan



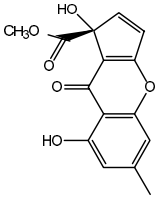
Tetrahedron Letters 44 (2003) 3119

Remisporine B, a novel dimeric chromenone derived from spontaneous Diels–Alder reaction of remisporine A

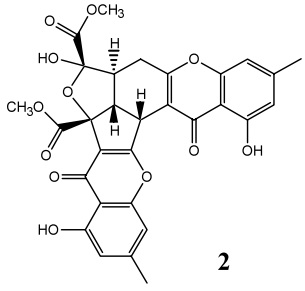
Fangming Kong* and Guy T. Carter

Departments of Natural Products and Discovery Analytical Chemistry, Wyeth Research, 401 N. Middletown Road, Pearl River, NY 10965, USA

A novel cyclopentachromenone, remisporine A (**1**), has been isolated from liquid culture of the marine fungus *Remispora maritima*. Remisporine A autocatalytically dimerizes to give rise to a stereospecific product remisporine B (**2**) via Diels–Alder reaction.



1



2

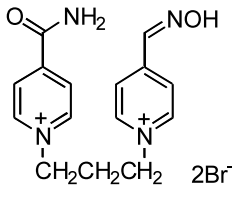
Tetrahedron Letters 44 (2003) 3123

Synthesis of a potential reactivator of acetylcholinesterase—1-(4-hydroxyiminomethylpyridinium)-3-(carbamoylpyridinium)propane dibromide

Kamil Kuča,* Jiří Bielavský, Jiří Cabal and Marcela Bielavská

Purkyně Military Medical Academy, Department of Toxicology, PO Box 35/T, 500 01, Hradec Králové, Czech Republic

Two methods for the synthesis of a new unsymmetric bispyridinium oxime are described. In vitro efficacy of this new oxime to reactivate sarin-inhibited acetylcholinesterase was evaluated.



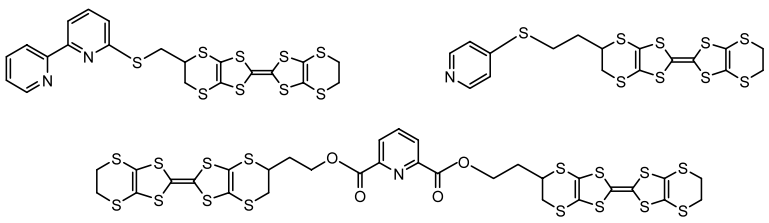
Tetrahedron Letters 44 (2003) 3127

Synthesis of bis(ethylenedithio)tetrathiafulvalene derivatives with metal ion ligating centres

Jon-Paul Griffiths,[a] R. James Brown,[a] Peter Day,[b] Craig J. Matthews,[a] Bertrand Vital[a] and John D. Wallis[a,*]

[a]*Department of Chemistry and Physics, The Nottingham Trent University, Clifton Lane, Nottingham NG11 8NS, UK*
[b]*The Royal Institution of Great Britain, 21 Albemarle Street, London W1S 4BS, UK*

Eight novel donors have been prepared including:

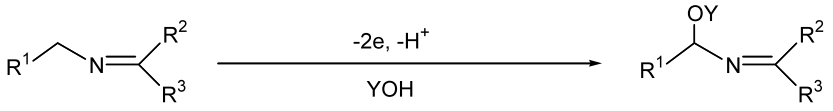


Tetrahedron Letters 44 (2003) 3133

Anodic methoxylation and acetoxylation of imines and imidates

Daisuke Baba and Toshio Fuchigami*

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



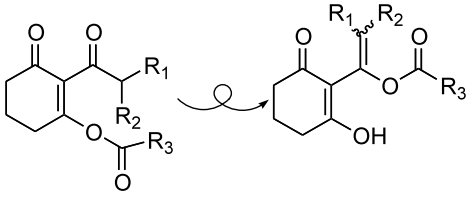
Tetrahedron Letters 44 (2003) 3137

Isomerization of enol esters derived from 2-acyl-1,3-cyclohexanediones: mechanism and driving force

Hun-Ge Liu, Chung-Shieh Wu, Jen-Fei Wang and Ding-Yah Yang*

Department of Chemistry, Tunghai University, 181, Taichung-Kang Rd. Sec. 3, Taichung, Taiwan 40704

A series of 2-acyl-1,3-cyclohexanediones were prepared and isomerization mechanisms of the corresponding enol esters were investigated. The intrinsic electrostatic repulsion seems to be the driving force for this migration.

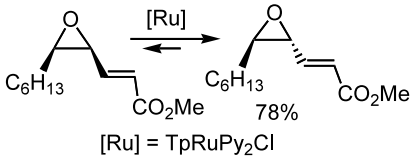


Tetrahedron Letters 44 (2003) 3143

A new and efficient catalytic isomerization of *cis*- and *trans*-epoxides

Ching-Yu Lo, Sitaram Pal, Arjan Odedra and Rai-Shung Liu*

Department of Chemistry, National Tsing-Hua University, Hsinchu, Taiwan 30043, ROC



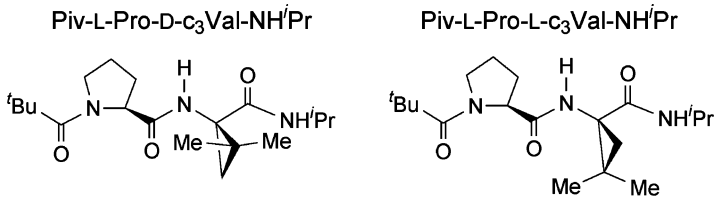
Cyclopropane analogue of valine: influence of side chain orientation on peptide folding

Tetrahedron Letters 44 (2003) 3147

Ana I. Jiménez,[a,*] Michel Marraud[b] and Carlos Cativiela[a]

[a]*Department of Organic Chemistry, ICMA, University of Zaragoza-CSIC, 50009 Zaragoza, Spain*
[b]*Laboratory of Macromolecular Physical Chemistry, UMR CNRS-INPL 7568, ENSIC, BP 451, 54001 Nancy, France*

In the crystalline state, both compounds accommodate a βII-turn conformation. In the dipeptide incorporating L-c_3Val, an additional γ-turn centred at the c_3Val residue is present.

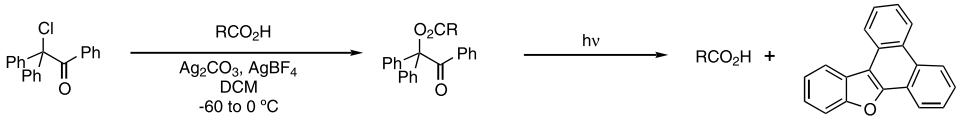


Synthesis and photolysis studies of carboxylic esters of 2-hydroxy-1,2,2-triphenylethanone: a novel tandem photocyclisation

Tetrahedron Letters 44 (2003) 3151

M. Arfan Ashraf, Matthew A. Jones, Natalie E. Kelly, Alex Mullaney, John S. Snaith* and Iwan Williams

School of Chemical Sciences, The University of Birmingham, Edgbaston, Birmingham B15 2TT, UK



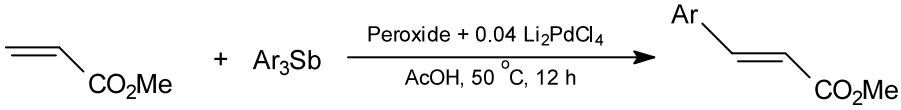
Use of triarylstibines in *C*-arylation reactions

Tetrahedron Letters 44 (2003) 3155

Dmitry V. Moiseev, Vera A. Morugova, Alexey V. Gushchin* and Victor A. Dodonov

Organic Chemistry Department, Nizhnii Novgorod State University, Nizhnii Novgorod, 603950, Russian Federation

Triarylstibines are mild efficient arylating agents in the *C*-arylation of unsaturated compounds in the presense of equimolar amounts of peroxide and catalytic amounts of a palladium compound.



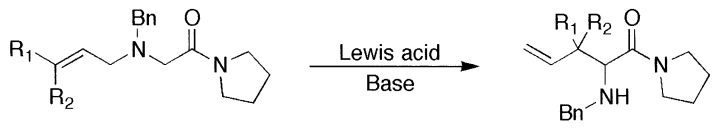
Lewis acid mediated [2,3]-sigmatropic rearrangement of allylic ammonium ylides

Tetrahedron Letters 44 (2003) 3159

Jan Blid and Peter Somfai*

Department of Chemistry, Organic Chemistry, Royal Institute of Technology, S-100 44 Stockholm, Sweden

The Lewis acid mediated [2,3]-sigmatropic rearrangement of allylic ammonium ylides has been investigated.

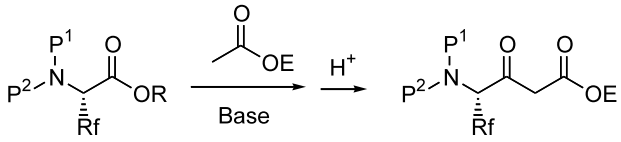


Tetrahedron Letters 44 (2003) 3163

An efficient synthesis of γ-amino β-ketoester by cross-Claisen condensation with α-amino acid derivatives

Yutaka Honda, Satoshi Katayama, Mitsuhiko Kojima, Takayuki Suzuki and Kunisuke Izawa*

AminoScience Laboratories, Ajinomoto Co., Inc., Suzuki-cho, Kawasaki-ku, Kawasaki-shi 210-8681, Japan

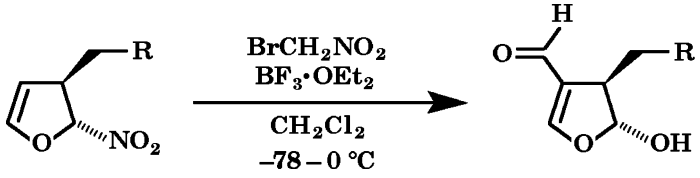


Tetrahedron Letters 44 (2003) 3167

New transformations of 2-nitro-2,3-dihydrofurans to multi-functionalized dihydrofurans

Jih Ru Hwu,* Thota Sambaiah and Subhasish K. Chakraborty

Organosilicon and Synthesis Laboratory, Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan 30013, ROC



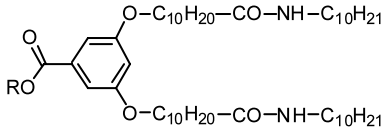
Tetrahedron Letters 44 (2003) 3171

New bisamides gelators: relationship between chemical structure and fiber morphology

Rolf Schmidt, Fahuzi B. Adam, Marc Michel, Marc Schmutz, Gero Decher and Philippe J. Mésini*

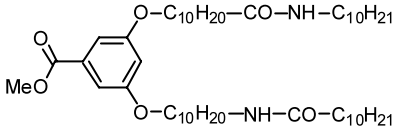
Chemistry of Associating Systems, Institut Charles Sadron, 6 rue Boussingault, 67083 Strasbourg Cedex, France

2a : R = Me
2b : R = H



Compounds **2a**, **2b** and **3** have been synthesized and their properties as organogelators evaluated. They were found to gel aromatic solvents. Structural studies of the gels were achieved by freeze-fracture electron microscopy: while **2a** and **3** formed large platelet-like aggregates (150–170 nm wide), **2b** forms only thin fibers (17 nm).

3

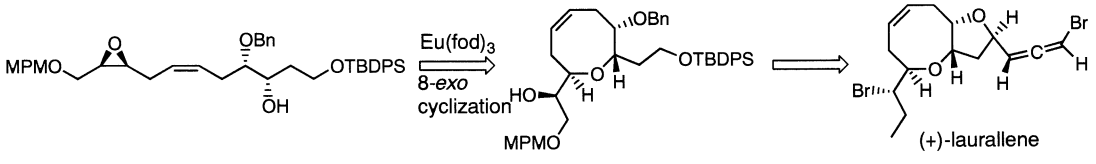


Tetrahedron Letters 44 (2003) 3175

Total synthesis of (+)-laurallene

Toshikazu Saitoh,[a] Toshio Suzuki,[b,*] Masashi Sugimoto,[a] Hisahiro Hagiwara[a] and Takashi Hoshi[b]

[a]*Graduate School of Science and Technology, Niigata University, 2-nocho, Ikarashi, Niigata 950-2181, Japan*
[b]*Faculty of Engineering, Niigata University, 2-nocho, Ikarashi, Niigata 950-2181, Japan*



Tetrahedron Letters 44 (2003) 3179

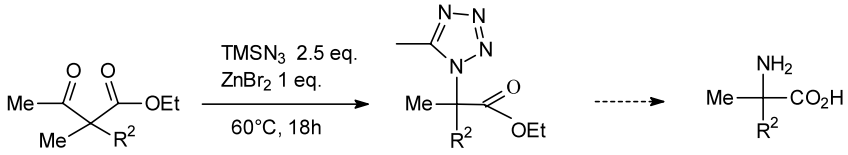
A convenient synthesis of tetrazole, precursors of α-dialkylated α-amino acids, by reaction of trimethylsilyl azide with α-dialkylated β-ketoesters

Henri-Jean Cristau,[a,*] Xavier Marat,[a] Jean-Pierre Vors[b] and Jean-Luc Pirat[a,*]

[a]*Laboratoire de Chimie Organique, UMR 5076 du CNRS, École Nationale Supérieure de Chimie de Montpellier, 8 rue de l'École Normale, 34296 Montpellier Cedex 5, France*

[b]*Bayer Cropscience, 14 rue P. Baizet, 69009 Lyon, France*

The Schmidt rearrangement using trimethylsilyl azide with various α-dialkylated β-keto esters affords a convenient synthesis of tetrazole, precursors of α-dialkylated α-amino acids.



1 2 3

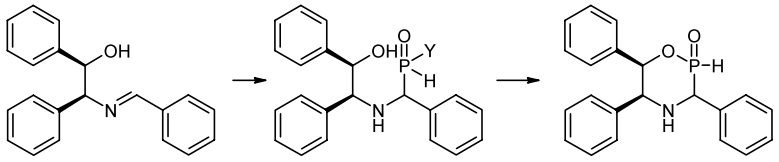
Tetrahedron Letters 44 (2003) 3183

First syntheses of 2-hydrogeno-2-oxo-1,4,2-oxazaphosphinanes via intramolecular esterification

Henri-Jean Cristau,[a,*] Jérôme Monbrun,[a] Monique Tillard[b] and Jean-Luc Pirat[a,*]

[a]*Laboratoire de Chimie Organique-UMR5076-ENSCM, 8 rue de l'Ecole Normale, 34296 Montpellier Cedex 5, France*

[b]*Laboratoire des Agrégats Moléculaires et Matériaux Inorganiques-UMR5072, Université Montpellier II, Place E. Bataillon, 34095 Montpellier Cedex 5, France*



(+/-) (+/-) (1) (+/-)

Y = OH or OMe

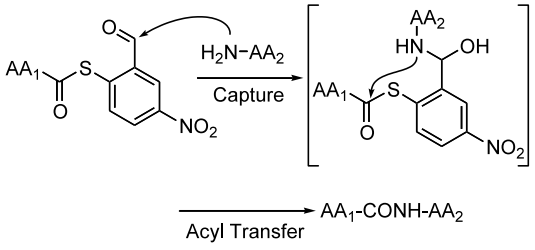
Tetrahedron Letters 44 (2003) 3187

Chemoselective peptide bond formation using formyl-substituted nitrophenylthio ester

Akihiro Ishiwata, Tsuyoshi Ichiyanagi, Maki Takatani and Yukishige Ito*

RIKEN (The Institute of Physical and Chemical Research), 2-1 Hirosawa, Wako-shi, Saitama 351-0198, Japan

A novel method for peptide bond formation utilizing amino acid 2-formyl-4-nitrophenylthio ester has been developed, which is compatible with various types of amino acid side-chain functional groups.

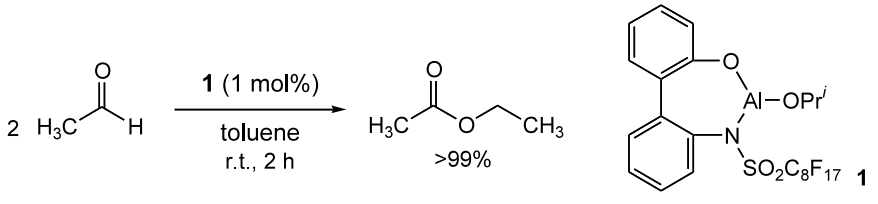


Tetrahedron Letters 44 (2003) 3191

Isopropoxyaluminum 1,1′-biphenyl-2-oxy-2′-perfluorooctanesulfonamide as a catalyst for Tishchenko reaction

Takashi Ooi, Kohsuke Ohmatsu, Kouji Sasaki, Tomoya Miura and Keiji Maruoka*

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



1

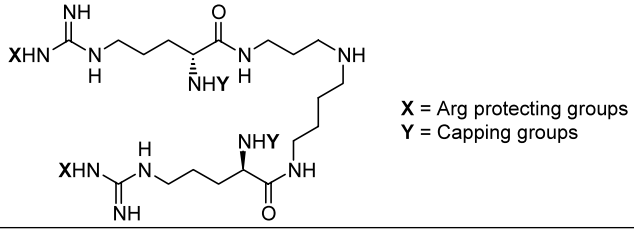
Solid-phase synthesis of a focused library of trypanothione reductase inhibitors

Tetrahedron Letters 44 (2003) 3195

Stefania De Luca, Saraj Ulhaq, Mark J. Dixon, Jonathan Essex and Mark Bradley*

Department of Chemistry, University of Southampton, Southampton SO17 1BJ, UK

A series of compounds based on the polyamine spermidine was prepared and screened for inhibition of trypanothione reductase.

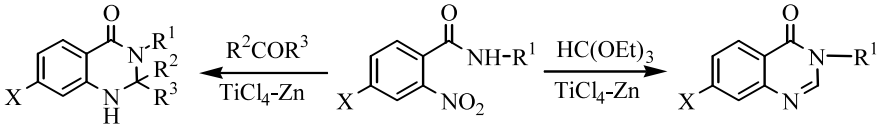


Synthesis of quinazolin-4(3*H*)-ones and 1,2-dihydroquinazolin-4(3*H*)-ones with the aid of a low-valent titanium reagent

Tetrahedron Letters 44 (2003) 3199

Daqing Shi,[a,b,*] Liangce Rong,[b] Juxian Wang,[b] Qiya Zhuang,[b] Xiangshan Wang[b] and Hongwen Hu[a]

[a]*Department of Chemistry, Nanjing University, Nanjing 210093, PR China*
[b]*Department of Chemistry, Xuzhou Normal University, Xuzhou 221009, PR China*



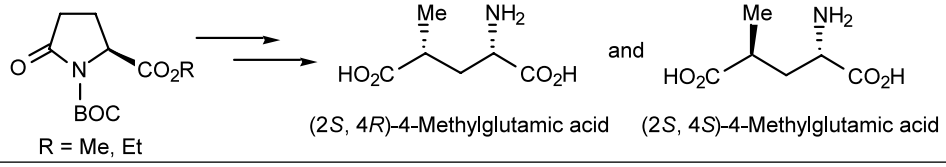
A concise synthesis of (2*S*,4*R*)- and (2*S*,4*S*)-4-methylglutamic acid

Tetrahedron Letters 44 (2003) 3203

Zi-Qiang Gu[a] and Min Li[b,*]

[a]*Laboratory of Medicinal Chemistry, NIDDK, National Institutes of Health, Bethesda, MD 20892, USA*
[b]*Sunmack Science Inc, PO Box 7002, Gaithersburg, MD 20898, USA*

A concise, multi-gram scale method for producing the bioactive and enantiomerically pure epimers, (2*S*,4*R*)- and (2*S*,4*S*)-glutamic acids, in a single synthetic scheme is described.

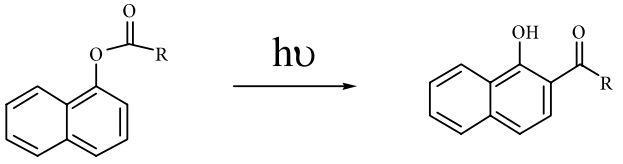


Cyclodextrin-mediated regioselective photo-Fries reaction of 1-naphthyl phenyl acylates

Tetrahedron Letters 44 (2003) 3207

Smriti Koodanjeri, Ajit R. Pradhan, Lakshmi S. Kaanumalle and V. Ramamurthy*

Department of Chemistry, Tulane University, New Orleans, LA 70118, USA

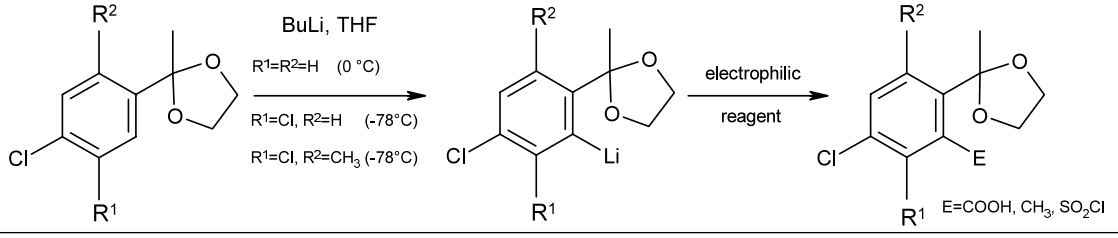


Lithiation of 2-(chloroaryl)-2-methyl-1,3-dioxolanes and application in synthesis of new *ortho*-functionalized acetophenone derivatives

Tetrahedron Letters 44 (2003) 3211

Gyula Lukács, Márta Porcs-Makkay and Gyula Simig*

Chemical Research Division, EGIS Pharmaceuticals Ltd, PO Box 100, H-1475 Budapest, Hungary



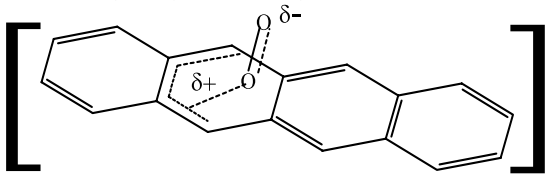
The effect of solvent on tetracene oxidation by singlet molecular oxygen ($^1\Delta g$): aspects of specific solvation

Tetrahedron Letters 44 (2003) 3215

Evgeny A. Venedictov* and Elena J. Tulikova

Institute of Chemistry of Solution Russian Academy of Sciences, Ivanovo 153045, Akademicheskaya ul., 1, Russia

A specific influence of the solvent on tetracene oxidation by singlet molecular oxygen suggests that the reaction intermediate has an exciplex nature with a high degree of charge transfer.



From terminal alkynes directly to branched amines

Tetrahedron Letters 44 (2003) 3217

Ivette Garcia Castro, Annegret Tillack, Christian G. Hartung and Matthias Beller*

Leibniz-Institut für Organische Katalyse (IfOK) an der Universität Rostock eV, Buchbinderstraße 5-6, D-18055 Rostock, Germany