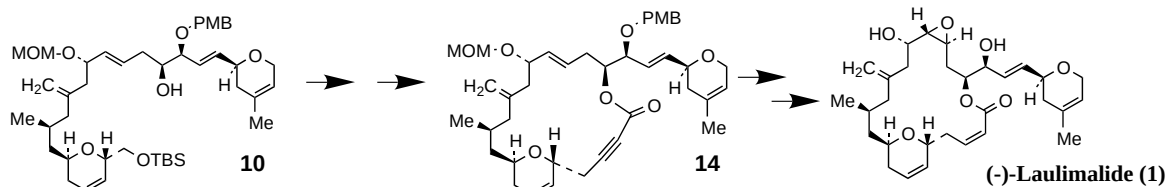


A macrolactonization-based strategy to obtain microtubule-stabilizing agent (–)-laulimalide
Tetrahedron Letters 42 (2001) 3399

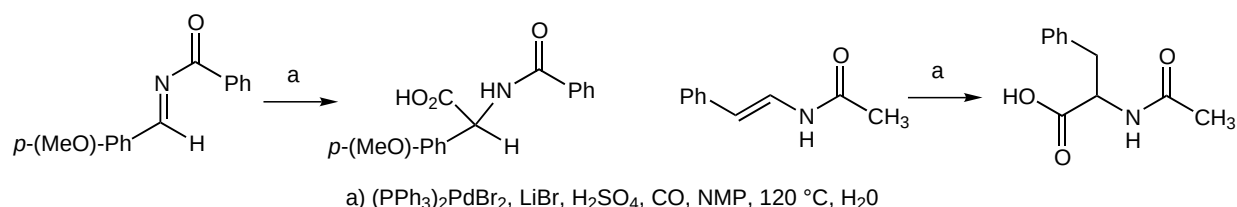
Arun K. Ghosh* and Yong Wang

Department of Chemistry, University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607, USA

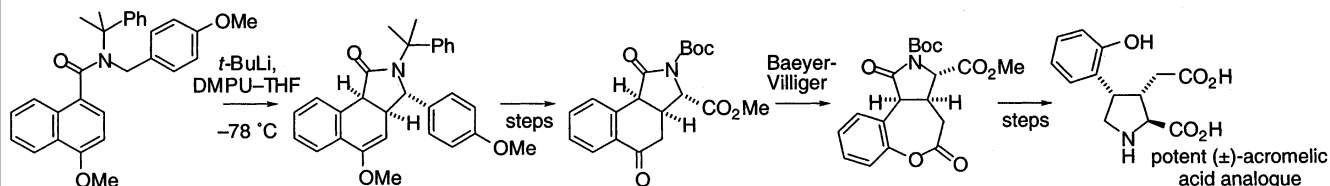
A new macrolactonization strategy to obtain (–)-laulimalide is described.

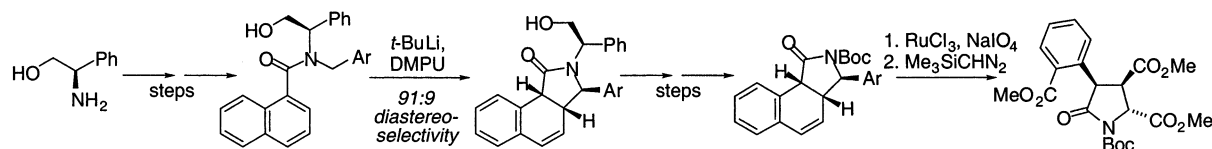

N-Acyl imine and enamide intermediates in the palladium-catalyzed amidocarbonylation reaction
Tetrahedron Letters 42 (2001) 3403

Dana A. Freed and Marisa C. Kozlowski*

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

Synthesis of a potent (±)-4-(2-hydroxyphenyl) analogue of the acromelic acids by dearomatising cyclisation of a lithiated N-p-methoxybenzyl-4-methoxy-1-naphthamide
Tetrahedron Letters 42 (2001) 3407

Anjum Ahmed, Ryan A. Bragg, Jonathan Clayden* and Kirill Tchabanenko

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

Dearomatising cyclisation of lithiated 1-naphthamides with a phenylglycinol-derived chiral auxiliary: asymmetric synthesis of an arylkainoid and a kainoid-like pyroglutamate
Tetrahedron Letters 42 (2001) 3411

 Ryan A. Bragg,^a Jonathan Clayden,^{a,*} Michael Bladon^b and Osamu Ichihara^b
^a*Department of Chemistry, University of Manchester, Oxford Road, Manchester M13 9PL, UK*
^b*Oxford Asymmetry International, 151 Milton Park, Abingdon, Oxfordshire OX14 4SD, UK*


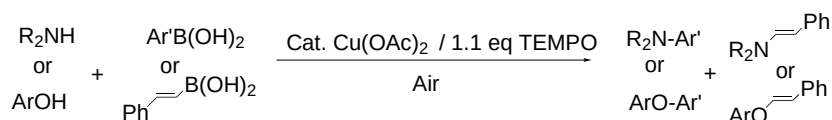
Copper-catalyzed general C–N and C–O bond cross-coupling with arylboronic acid

Tetrahedron Letters 42 (2001) 3415

Patrick Y. S. Lam,* Guillaume Vincent, Charles G. Clark, Sophie Deudon and Prabhakar K. Jadhav*

DuPont Pharmaceuticals Co., Experimental Station, PO Box 80500, Wilmington, DE 19880-0500, USA

General catalytic $\text{Cu}(\text{OAc})_2/\text{TEMPO}$ in air or $\text{Cu}(\text{OAc})_2/\text{O}_2$ systems for the C–N and C–O cross-coupling reactions with arylboronic acid have been discovered. *N*- and *O*-vinylation have also been demonstrated.

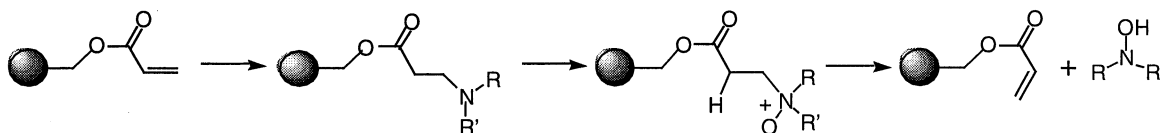


Oxidation–Cope elimination: a REM-resin cleavage protocol for the solid-phase synthesis of hydroxylamines

Tetrahedron Letters 42 (2001) 3419

Robert E. Sammelson and Mark J. Kurth*

Department of Chemistry, University of California, One Shields Avenue, Davis, CA 95616-5295, USA



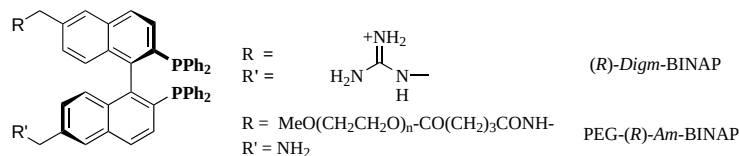
Recyclable diguanidinium-BINAP and PEG-BINAP supported catalysts: syntheses and use in Rh(I) and Ru(II) asymmetric hydrogenation reactions

Tetrahedron Letters 42 (2001) 3423

Patricio Guerreiro,^a Virginie Ratovelomanana-Vidal,^a Jean-Pierre Genêt^{a,*} and Philippe Dellis^b

^aLaboratoire de Synthèse Sélective Organique et Produits Naturels, UMR 7573, Ecole Nationale Supérieure de Chimie de Paris, 11 rue P. et M. Curie, 75231 Paris Cedex 05, France

^bSynkem S.A., 47 rue de Longvic 21301 Chenove Cedex, France

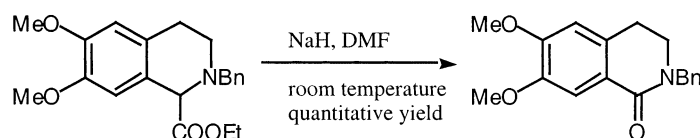


An autoxidative approach to 1,2,3,4-tetrahydroisoquinolin-1-one and tetrahydro-β-carbolin-1-one

Tetrahedron Letters 42 (2001) 3427

Michèle Bois-Choussy, Michaël De Paolis and Jieping Zhu*

Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif-sur-Yvette, France

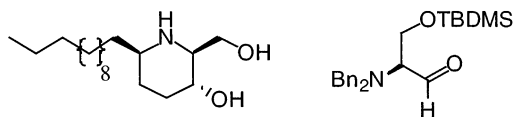


Tetrahedron Letters 42 (2001) 3431

Angélique Jourdan and Jieping Zhu*

Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif-sur-Yvette, France

(-)-Deoxoprosopphylline is synthesized from L-*N,N*-dibenzyl serine (TBDMS) aldehyde in seven steps.



Tetrahedron Letters 42 (2001) 3435

Fernando Langa,^{a,*} María J. Gómez-Escalonilla,^a Enrique Díez-Barra,^b

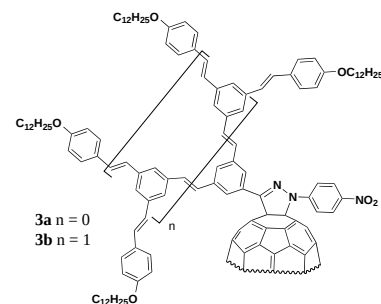
Joaquín C. García-Martínez,^b Antonio de la Hoz,^b

Julián Rodríguez-López,^b Araceli González-Cortés^c and Vicente López-Arza^d

^aFacultad de Ciencias del Medio Ambiente, Universidad de Castilla-La Mancha, 45071 Toledo, Spain

^cFacultad de Ciencias Químicas, Universidad Complutense, Ciudad Universitaria s/n, 28040 Madrid, Spain

^dEscuela de Ingenieros Técnicos Industriales, Universidad de Castilla-La Mancha, 45071 Toledo, Spain

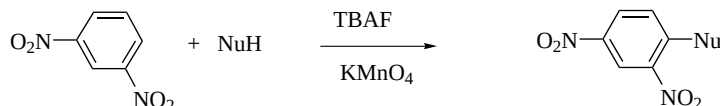


Tetrahedron Letters 42 (2001) 3439

Inma Huertas, Iluminada Gallardo and Jordi Marquet*

Departament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona, Spain

Oxidative hydrogen nucleophilic aromatic substitution of nitroaromatic compounds with amines, amides, and ketones, promoted by fluoride anions, leads to the direct formation of anilines and aromatic amides in useful yields.



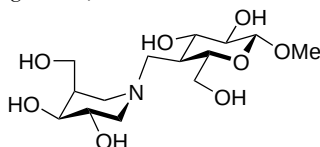
Tetrahedron Letters 42 (2001) 3443

Sébastien Fort,^a Pedro M. Coutinho,^{a,b} Martin Schüle,^c Robert Nardin,^aSylvain Cottaz^a and Hugues Driguez^{a,*}

^a*Centre de Recherches sur les Macromolécules Végétales, CNRS, BP 53, 38041 Grenoble cedex 9, France*

^b*Centre for Biological and Chemical Engineering, Instituto Superior Técnico, Lisbon, Portugal*

^cNovozymes, Smørmosevej 25, DK-2880 Bagsvaerd, Denmark



Novel [60]fullerene–TTF cyclohexene fused polyadducts: unprecedented tri- and tetra-Diels–Alder adducts of dimethylenel[2H]tetrathiafulvalenes with C₆₀

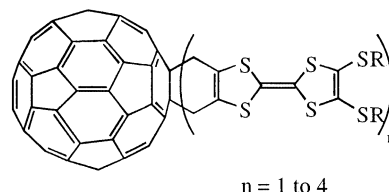
Tetrahedron Letters 42 (2001) 3447

David Kreher,^a Sheng-Gao Liu,^a Michel Cariou,^a Piétrick Hudhomme,^{a,*} Alain Gorgues,^{a,*} Marta Mas,^b Jaume Veciana^b and Concepció Rovira^b

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

^bInstitut de Ciència de Materials de Barcelona (CSIC), Campus de la UAB, 08193 Bellaterra, Spain

The synthesis, purification, characterization and electrochemical properties of unprecedented tetrathiafulvalene-C₆₀ polyads are described.

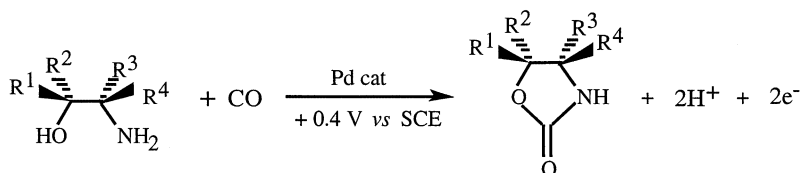


Palladium-catalyzed electrochemical carbonylation of 2-amino-1-alkanols to oxazolidin-2-ones under very mild conditions

Tetrahedron Letters 42 (2001) 3451

Isabella Chiarotto* and Marta Feroci*

Università degli Studi 'La Sapienza', Dipartimento di Ingegneria Chimica dei Materiali delle Materie Prime e Metallurgia, via Castro Laurenziano, 7 I-00161 Rome, Italy

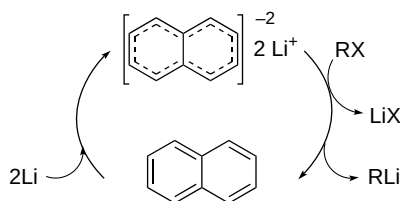


On the mechanism of the naphthalene-catalysed lithiation: the role of the naphthalene dianion

Tetrahedron Letters 42 (2001) 3455

Miguel Yus,* Raquel P. Herrera and Albert Guijarro

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080 Alicante, Spain



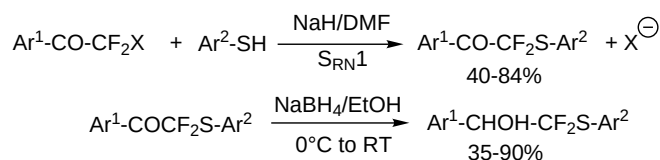
Synthesis of α -(heteroarylthio)- α,α -difluoroacetophenone derivatives via the S_{RN}1 methodology

Tetrahedron Letters 42 (2001) 3459

Conrad Burkholder,^a William R. Dolbier, Jr.,^a Maurice Médebielle^{b,*} and Samia Ait-Mohand^b

^aUniversity of Florida, Department of Chemistry, PO Box 117200, Gainesville, FL 32611-7200, USA

^bUniversité Denis Diderot-Paris 7, Laboratoire d'Electrochimie Moléculaire, UMR CNRS 7591, 2 Place Jussieu, Case courrier 7107, 75251 Paris Cedex 05, France

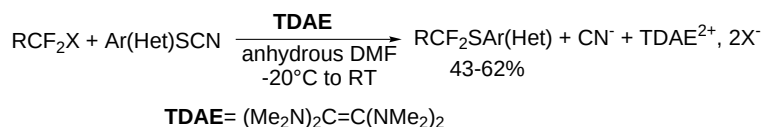


Tetrakis(dimethylamino)ethylene (TDAE) mediated addition of difluoromethyl anions to heteroaryl thiocyanates.

A new simple access to heteroaryl-SCF₂R derivatives

Thierry Billard, Bernard R. Langlois and Maurice Médebielle*

Université Claude Bernard-Lyon 1, Laboratoire de Synthèse, Electrosynthèse et Réactivité des Composés Organiques Fluorés (SERCOF), UMR CNRS 5622, Bâtiment E. Chevreul, 43 Bd du 11 Novembre 1918, F-69622 Villeurbanne Cedex, France

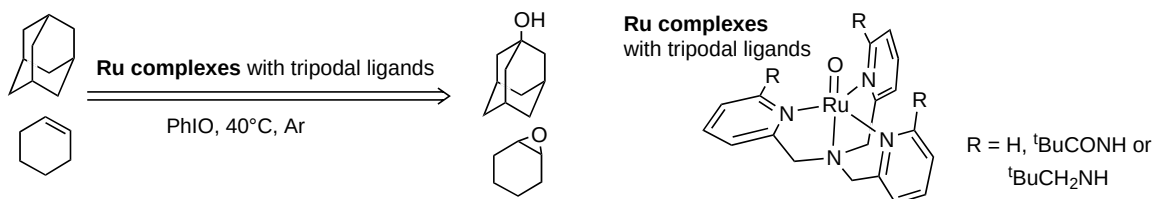


Tetrahedron Letters 42 (2001) 3463

Reverse reactivity in hydroxylation of adamantane and epoxidation of cyclohexene catalyzed by the mononuclear ruthenium-oxo complexes with 6-substituted tripodal polypyridine ligands

Koichiro Jitsukawa,* Yoshiyuki Oka, Hisahiko Einaga and Hideki Masuda

Department of Applied Chemistry, Nagoya Institute of Technology, Showa-ku, Nagoya 466-8555, Japan

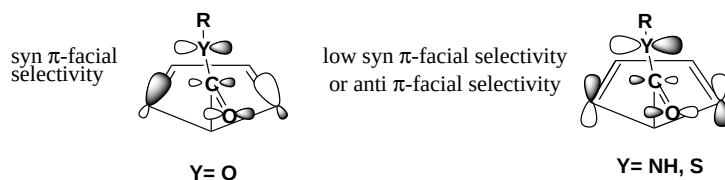


Tetrahedron Letters 42 (2001) 3467

Orbital control of π -facial selectivity in Diels-Alder reactions of cyclopentadienes having C(=O)YR substituents at the 5-positions

Masaru Ishida, Masakazu Sakamoto, Humihiro Hattori, Minako Shimizu and Satoshi Inagaki*

Department of Chemistry, Faculty of Engineering, Gifu University, Yanagido, Gifu 501-1193, Japan

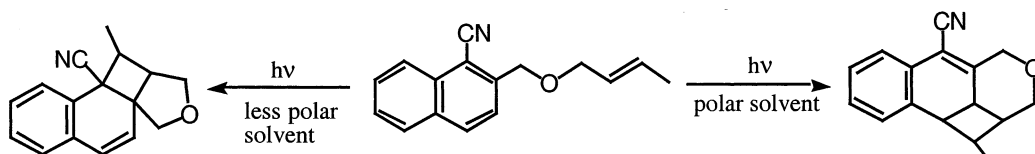


Tetrahedron Letters 42 (2001) 3471

Site-selective intramolecular ($2\pi+2\pi$) photocycloaddition of *trans*-2-butenyl 1-cyano-2-naphthylmethyl ether depending on the polarity of the solvent

Yasuharu Yoshimi, Shin-ichi Konishi, Hajime Maeda and Kazuhiko Mizuno*

Department of Applied Chemistry, Graduate School of Engineering, Osaka Prefecture University, 1-1 Gakuen-cho, Sakai, Osaka 599-8531, Japan



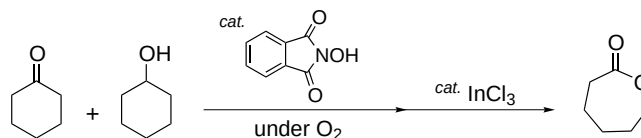
Tetrahedron Letters 42 (2001) 3475

A new strategy for catalytic Baeyer–Villiger oxidation of KA-oil with molecular oxygen using *N*-hydroxyphthalimide

Tetrahedron Letters 42 (2001) 3479

Osamu Fukuda, Satoshi Sakaguchi and Yasutaka Ishii*

Department of Applied Chemistry, Faculty of Engineering & High Technology Research Center, Kansai University, Suita, Osaka 564-8680, Japan

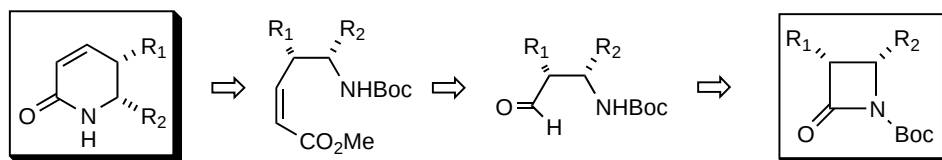


Facile transformation of 3,4-disubstituted 2-azetidinones to chiral 5,6-dihydro-2-pyridones

Tetrahedron Letters 42 (2001) 3483

Hyeon Kyu Lee,* Jong Soo Chun and Chwang Siek Pak*

Bio-Organic Science Division, Korea Research Institute of Chemical Technology, PO Box 107, Yusong, Taejeon 305-606, South Korea

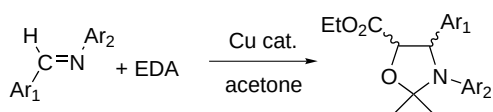


Synthesis of 1,3-oxazolidines by copper-catalyzed addition of acetone and ethyl diazoacetate to imines

Tetrahedron Letters 42 (2001) 3487

Seung-Han Lee,* Jin Yang and Tae-Dong Han

Department of Chemistry, Kyunghee University, Yongin 449-701, South Korea



Pinnatoxins B and C, the most toxic components in the pinnatoxin series from the Okinawan bivalve *Pinna muricata*

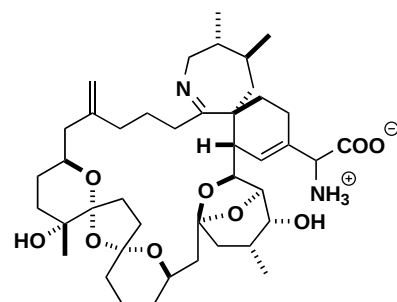
Tetrahedron Letters 42 (2001) 3491

Noboru Takada,^a Naoyoshi Umemura,^b Kiyotake Suenaga,^b Tong Chou,^c Akito Nagatsu,^c Takeharu Haino,^c Kaoru Yamada^a and Daisuke Uemura^{a,*}

^a*Department of Chemistry, Graduate School of Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan*

^b*Research Center for Materials Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan*

^c*Sagami Chemical Research Center, 4-4-1 Nishi-Ohnuma, Sagamihara 229-0012, Japan*



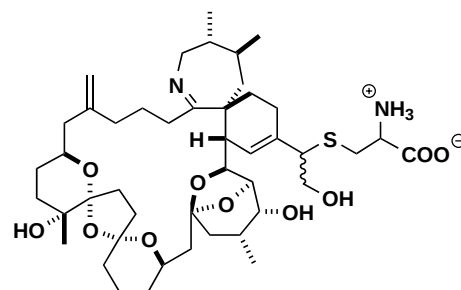
Structural determination of pteriatoxins A, B and C, extremely potent toxins from the bivalve *Pteria penguin*

Tetrahedron Letters 42 (2001) 3495

Noboru Takada,^a Naoyashi Umemura,^a Kiyotake Suenaga^b and Daisuke Uemura^{b,*}

^aDepartment of Chemistry, Graduate School of Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan

^bResearch Center for Materials Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan



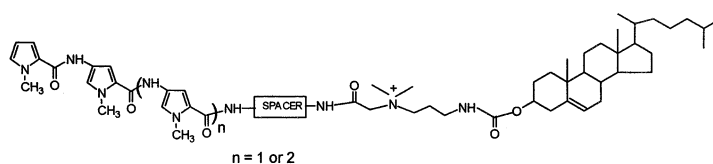
Novel distamycin analogues: facile synthesis of cholesterol conjugates of distamycin-like oligopeptides

Tetrahedron Letters 42 (2001) 3499

Santanu Bhattacharya* and Mini Thomas

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

A facile route toward the synthesis of the first examples of cholesterol conjugates of distamycin is described.



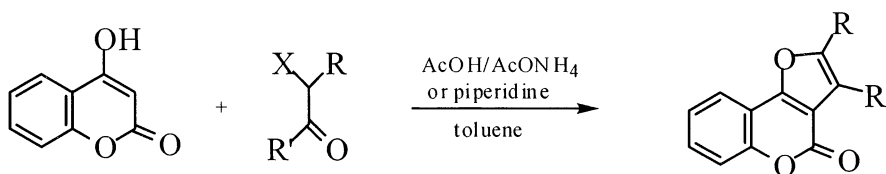
Distamycin-cholesterol conjugates

A convenient synthesis of furo[3,2-c]coumarins by a tandem alkylation/intramolecular aldolisation reaction

Tetrahedron Letters 42 (2001) 3503

Francesco Risitano,* Giovanni Grassi, Francesco Foti and Cristina Bilardo

Dipartimento di Chimica Organica e Biologica, Università, Vill. S. Agata, I-98166 Messina, Italy



A convenient synthesis of *N*-Fmoc-*N,N'*-bis-Boc-7-guanyl-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid (Fmoc-*N,N'*-bis-Boc-7-guanyl-Tic-OH, GTIC)

Tetrahedron Letters 42 (2001) 3507

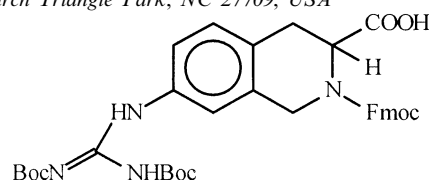
Vincenzo Santagada,^{a,*} Ferdinando Fiorino,^a Beatrice Severino,^a Severo Salvadori,^b Lawrence H. Lazarus,^c Sharon D. Bryant^c and Giuseppe Caliendo^a

^aDipartimento di Chimica Farmaceutica e Tossicologica, Università di Napoli, 'Federico II' Via D. Montesano, 49, 80131 Napoli, Italy

^bDipartimento di Scienze Farmaceutiche, Università di Ferrara, via Fossato di Mortara, I-4100 Ferrara, Italy

^cPeptide Neurochemistry, LCBRA, National Institutes of Environmental Health Science, Research Triangle Park, NC 27709, USA

Fmoc-*N,N'*-Bis-Boc-7-guanyl-Tic-OH (GTIC), a conformationally constrained amino acid with basic properties, has been synthesized in four steps. This amino acid can be incorporated into peptides using standard Fmoc solid phase synthesis, and to test its potential for biological activity applications we prepared an analogue of H-Dmt-Tic-NH₂.

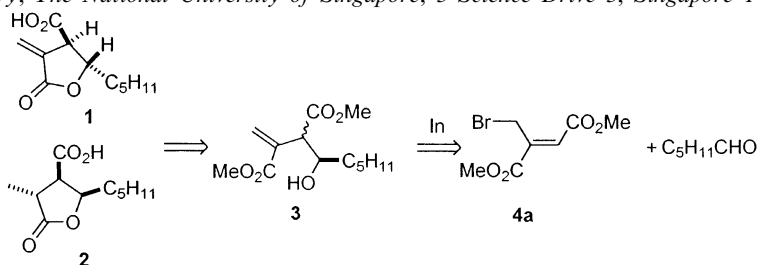


A concise synthesis of (±)-methylenolactocin and the formal synthesis of (±)-phaseolinic acid

Tetrahedron Letters 42 (2001) 3511

Teck-Peng Loh* and Pek-Ling Lye

Department of Chemistry, The National University of Singapore, 3 Science Drive 3, Singapore 117543, Singapore

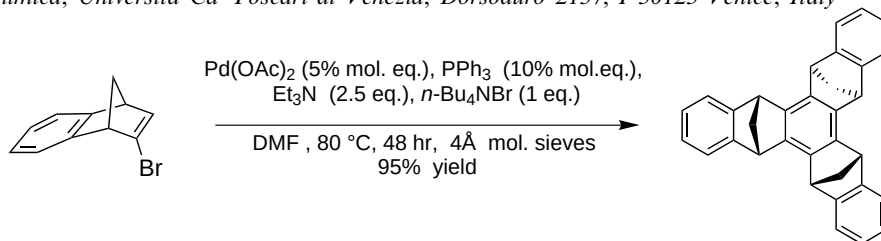


anti-Selective Heck-type cyclotrimerization of polycyclic bromoalkenes

Tetrahedron Letters 42 (2001) 3515

Sergio Cossu,* Ottorino De Lucchi,* Antonio Paulon, Paola Peluso and Cristiano Zonta

Dipartimento di Chimica, Università Ca' Foscari di Venezia, Dorsoduro 2137, I-30123 Venice, Italy



The Barton radical decarboxylation on solid phase. A versatile synthesis of peptides containing modified amino acids

Tetrahedron Letters 42 (2001) 3519

Maria Elena Attardi and Maurizio Taddei^{a,*}

^a*Dipartimento di Chimica, Università degli Studi di Sassari, Via Vienna 2, 07100 Sassari, Italy*

