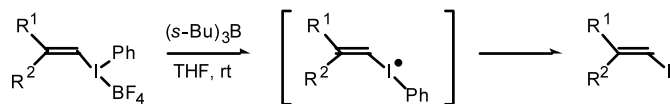
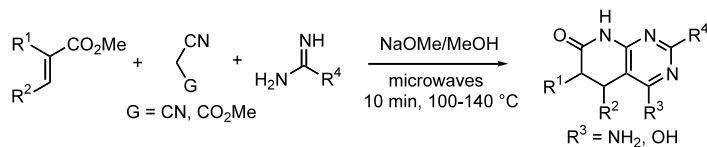
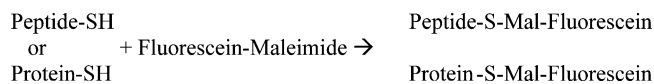
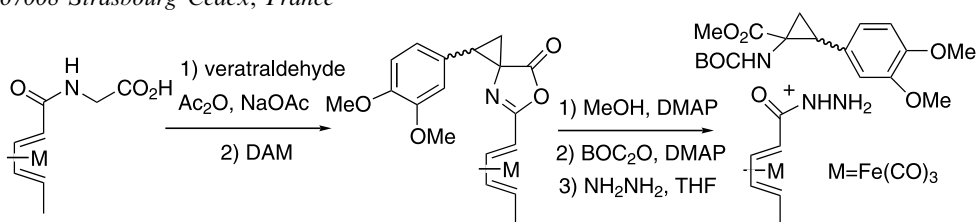


Borane-induced radical reduction of 1-alkenyl- and 1-alkynyl- λ^3 -iodanes with tetrahydrofuran*Tetrahedron Letters 44 (2003) 5381*Masahito Ochiai,^{*} Yoshimi Tsuchimoto and Takanori Hayashi*Faculty of Pharmaceutical Sciences, University of Tokushima, 1-78 Shomachi, Tokushima 770-8505, Japan***A three-component synthesis of pyrido[2,3-*d*]pyrimidines***Tetrahedron Letters 44 (2003) 5385*Núria Mont,^a Jordi Teixidó,^a José I. Borrell^{a,*} and C. Oliver Kappe^{b,*}^a*Grup d'Enginyeria Molecular, Institut Químic de Sarrià, Universitat Ramon Llull, Via Augusta, 390, E-08017 Barcelona, Spain*^b*Institute of Chemistry, Karl-Franzens-University Graz, Heinrichstrasse 28, A-8010 Graz, Austria***One-pot labeling and purification of peptides and proteins with fluorescein maleimide***Tetrahedron Letters 44 (2003) 5389*Eric Vivès^{*} and Bernard Lebleu*Institut de Génétique Moléculaire de Montpellier, CNRS-UMR 5124, BP5051, 1919 route de Mende, 34033 Montpellier cedex 1, France*

A simplified method for quantitatively recovering peptides and proteins labeled with fluorescein maleimide by extraction of the dye excess with acetone.

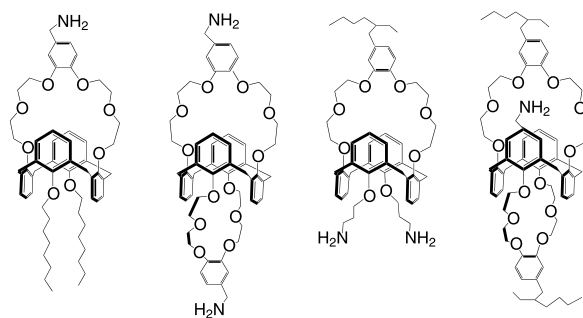
**Diene(tricarbonyl)iron complexes linked to spirooxazolones for the synthesis of cyclopropyldihydroxyphenylalanine***Tetrahedron Letters 44 (2003) 5393*Marc Schumacher, Laurence Miesch^{*} and Michel Franck-Neumann*Université Louis Pasteur, Faculté de Chimie–Laboratoire de Chimie Organique Synthétique, 1, rue Blaise Pascal, BP 296/R8, F-67008 Strasbourg Cedex, France*

New amino-functionalized 1,3-alternate calix[4]arene bis- and mono-(benzo-crown-6 ethers) for pH-switched cesium nitrate extraction

Tetrahedron Letters 44 (2003) 5397

Maryna G. Gorbunova, Peter V. Bonnesen,*
Nancy L. Engle, Eve Bazelaire, L  titia H. Delmau and
Bruce A. Moyer

*Oak Ridge National Laboratory, PO Box 2008, Mail Stop 6119,
Oak Ridge, TN 37831-6119, USA*



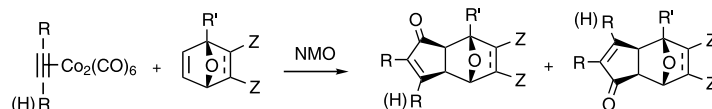
Pauson–Khand reaction of 7-oxabicyclo[2.2.1] systems

Tetrahedron Letters 44 (2003) 5403

Mohammed Ahmar and Bernard Cazes*

*Universit   Claude Bernard-Lyon, Laboratoire de Chimie Organique I, associ   au CNRS, B  t. CPE-Lyon, 43 Bd du 11 Novembre 1918,
69622 Villeurbanne, France*

The amine oxide-promoted Pauson–Khand reaction of 7-oxabicyclo[2.2.1] systems gives oxa-bridged bicyclic cyclopentenones.

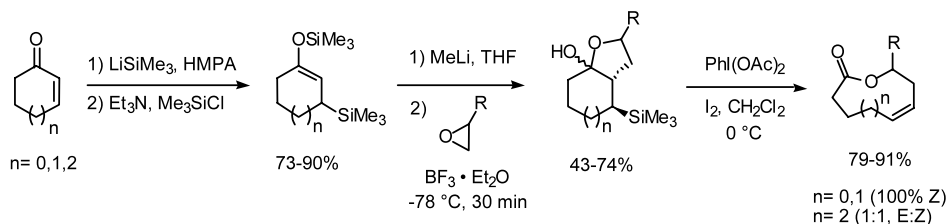


New silicon-mediated ring expansion of n-sized conjugated cycloalkenones into homoallylic n+3 lactones

Tetrahedron Letters 44 (2003) 5407

Mark A. Hatcher, Kristina Borstnik and Gary H. Posner*

Department of Chemistry, School of Arts and Sciences, The Johns Hopkins University, Baltimore, MD 21218, USA



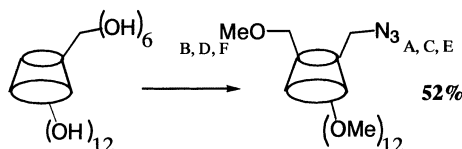
Synthesis of symmetrically modified   -cyclodextrins: an efficient and easy method

Tetrahedron Letters 44 (2003) 5411

Romain Heck,^a L. Jicsinszky^b and Alain Marsura^{a,*}

^aUMR CNRS 7565-UHP, GEVSM, Facult   de Pharmacie, 5 rue A. Lebrun, F-54001 Nancy Cedex, France

^bCyclolab Ltd, PO Box 435, H-1525 Budapest, Hungary

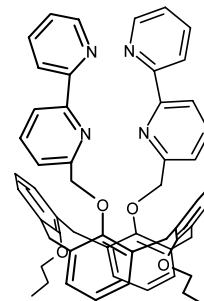


Synthesis, characterization of a novel calixarene having dipyridyl pendants and study of its complexes with Cu(II) and Co(II)

Tetrahedron Letters 44 (2003) 5415

Giuseppe Arena,* Annalinda Contino, Elisa Longo, Domenico Sciotto, Carmelo Sgarlata and Giuseppe Spoto

Dipartimento di Scienze Chimiche, Viale Andrea Doria 6, 95125 Catania, Italy

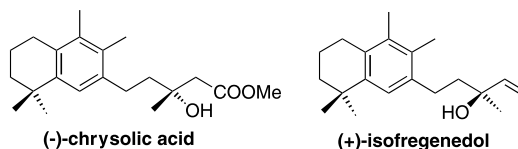


Synthesis and absolute configuration of (–)-chrysolic acid and (+)-isofregenedol

Tetrahedron Letters 44 (2003) 5419

I. S. Marcos,* M. Laderas, D. Díez, P. Basabe, R. F. Moro, N. M. Garrido and J. G. Urones

Departamento de Química Orgánica, Facultad de Ciencias Químicas, Universidad de Salamanca, Plaza de los Caídos 1-5, 37008 Salamanca, Spain



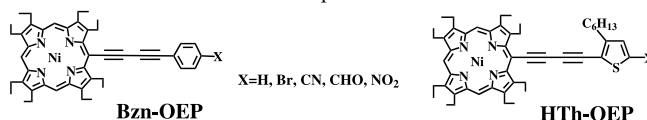
Synthesis and electronic properties of hexylthiophene–octaethylporphyrin derivatives (HTh–OEP) connected with diacetylene linkage: substituent effect on the electronic structure of the extended HTh–OEP conjugation system

Tetrahedron Letters 44 (2003) 5423

Naoto Hayashi, Hiroki Nakashima, Yukari Takayama and Hiroyuki Higuchi*

Department of Chemistry, Faculty of Science, Toyama University, 3190 Gofuku, Toyama, Toyama 930-8555, Japan

The HTh–OEP extended conjugation system was synthesized, similarly for the corresponding Bzn–OEP system. Substituent effect on electronic properties of the Bzn– and HTh–OEP derivatives will be reported.



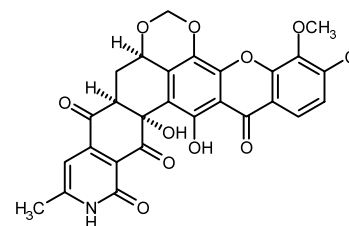
Xantholipin, a novel inhibitor of HSP47 gene expression produced by *Streptomyces* sp.

Tetrahedron Letters 44 (2003) 5427

Yuichi Terui,^{a,*} Chu Yiwen,^b Li Jun-ying,^b Tsutomu Ando,^a Haruaki Yamamoto,^a Yoji Kawamura,^a Yasumitsu Tomishima,^a Saeko Uchida,^a Tadayasu Okazaki,^a Eiji Munetomo,^a Takayuki Seki,^a Koji Yamamoto,^a Shigeru Murakami^a and Akira Kawashima^a

^a*Medicinal Research Laboratory, Taisho Pharmaceutical Co., Ltd., 1-403 Yoshino-cho, Saitama-shi, Kita-ku, Saitama 331-9530, Japan*

^b*Sichuan Industrial Institute of Antibiotics, 9 Shabanqiao Road, Chengdu, Sichuan 610051, China*

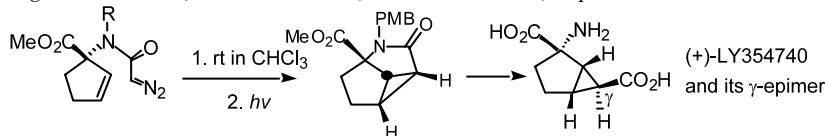


Stereocontrolled synthesis of a potent agonist of group II metabotropic glutamate receptors, (+)-LY354740, and its related derivatives

Yasufumi Ohfuné,^{a,*} Takashi Demura,^a Seiji Iwama,^a Hiromi Matsuda,^a Kosuke Namba,^a Keiko Shimamoto^b and Tetsuro Shinada^a

^aDepartment of Material Science, Graduate School of Science, Osaka City University, Sugimoto, Osaka 558-8585, Japan

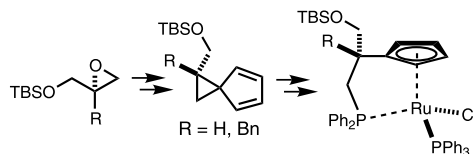
^bSuntory Institute for Bioorganic Research, Shimamoto-cho, Osaka 618-8503, Japan



Dipodal ligands from chiral spiro[2.4]hepta-4,6-dienes: solid state conformational effects by tether substitution in dipodal η^5, η^1 -CpP–ruthenium(II) complexes

Jeffrey S. T. Gorman, Vincent Lynch, Brian L. Pagenkopf* and Brandon Young

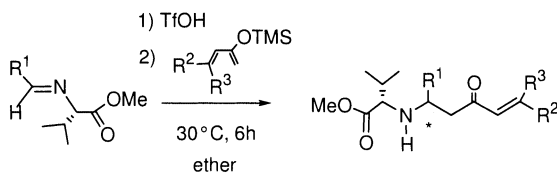
Department of Chemistry and Biochemistry, The University of Texas at Austin, Austin, TX 78712, USA



Stereoselective Mannich-type reaction of chiral aldimines with 2-silyloxybutadienes by using trifluoromethanesulfonic acid

Kaori Ishimaru* and Takakazu Kojima

Department of Chemistry, The National Defense Academy, Hashirimizu 1-10-20, Yokosuka 239-8686, Japan

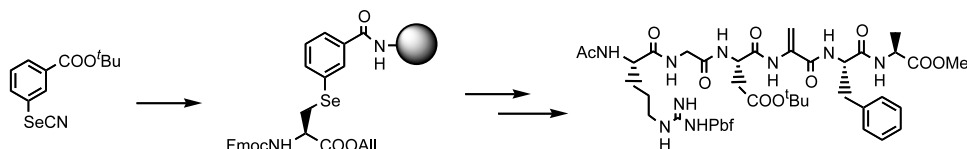


New selenyl linker for solid-phase synthesis of dehydropeptides

Kazuhiko Nakamura,^{a,*} Yuki Ohnishi,^a Eiji Horikawa,^{a,b} Takeo Konakahara,^b Masato Kodaka^a and Hiroaki Okuno^a

^aNational Institute of Advanced Industrial Science and Technology (AIST), Central 6-9, Higashi 1-1-1, Tsukuba, Ibaraki 305-8566, Japan

^bFaculty of Industrial Science and Technology, Tokyo University of Science 2641 Yamazaki, Noda, Chiba 278-8510, Japan



Synthetic studies of proanthocyanidins. Part 3: Stereoselective 3,4-*cis* catechin and catechin condensation by TMSOTf-catalyzed intramolecular coupling method

Tetrahedron Letters 44 (2003) 5449

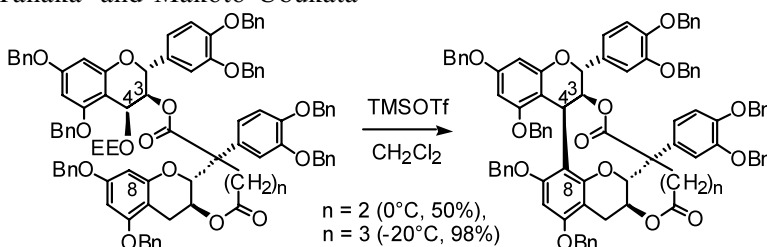
Akiko Saito,^a Noriyuki Nakajima,^{b,*} Akira Tanaka^c and Makoto Ubukata^{b,*}

^aJapan Society for the Promotion of Science Domestic Research Fellow, Kosugi, Toyama 939-0398, Japan

^bBiotechnology Research Center, Toyama Prefectural University, Kosugi, Toyama 939-0398, Japan

^cCollege of Technology, Toyama Prefectural University, Kosugi, Toyama 939-0398, Japan

Stereoselective intramolecular TMSOTf-catalyzed 3,4-*cis* catechin-catechin condensations are described.



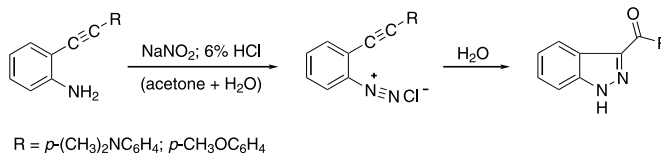
On the cyclization of *ortho*-alkynylbenzene diazonium salts

Tetrahedron Letters 44 (2003) 5453

Lidiya G. Fedenok* and Nataliya A. Zolnikova

Institute of Chemical Kinetics and Combustion, Siberian Branch of Russian Academy of Sciences, Novosibirsk 630090, Russia

Cyclization of *ortho*-(phenylethynyl)benzene diazonium salts containing groups of +C character at the *para*-position of the phenyl ring proceeds with closure to a pyrazole, but not to a pyridazine as is the case in the presence of neutral or -C groups.

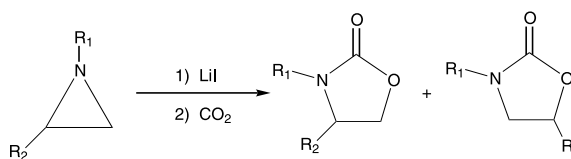


A convenient and inexpensive conversion of an aziridine to an oxazolidinone

Tetrahedron Letters 44 (2003) 5457

Matthew T. Hancock and Allan R. Pinhas*

Department of Chemistry, University of Cincinnati, PO Box 210172, Cincinnati, OH 45221-0172, USA



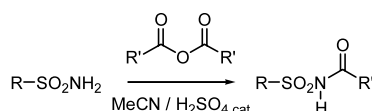
Practical acid-catalyzed acylation of sulfonamides with carboxylic acid anhydrides

Tetrahedron Letters 44 (2003) 5461

Michael T. Martin,^{a,*} Frank Roschangar^b and John F. Eaddy^a

^aGlaxoSmithKline, Chemical Development—Synthetic Chemistry, Five Moore Drive, PO Box 13398, Research Triangle Park, NC 27709, USA

^bBoehringer Ingelheim Pharmaceuticals, Virginia Biotechnology Research Park, 800 E. Leigh St. Suite 205 Richmond, VA 23219, USA

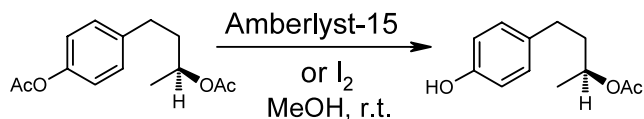


Efficient, selective deprotection of aromatic acetates catalyzed by Amberlyst-15 or iodine

Tetrahedron Letters 44 (2003) 5465

Biswanath Das,^{*} Joydeep Banerjee, R. Ramu, Rammohan Pal, N. Ravindranath and C. Ramesh

Organic Chemistry Division-I, Indian Institute of Chemical Technology, Hyderabad 500 007, India



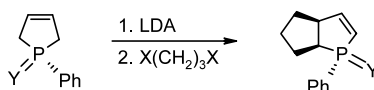
Cyclopentannulation on 3-phosphenes: an expedient route to the 2-phosphabicyclo[3.3.0]octene ring system

Tetrahedron Letters 44 (2003) 5469

Zbigniew Pakulski,^a Renata Kwiatosz^b and K. Michał Pietrusiewicz^{a,b,*}

^a*Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44/52, 01-224 Warszawa, Poland*

^b*Department of Organic Chemistry, Maria Curie-Skłodowska University, Gliniana 33, 20-614 Lublin, Poland*



An effective system to synthesize methanofullerenes: substrate–ionic liquid–ultrasonic irradiation

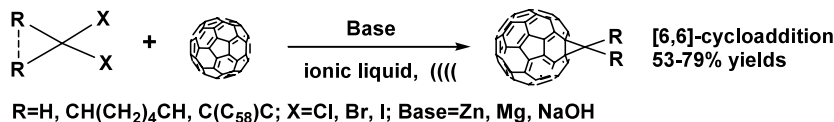
Tetrahedron Letters 44 (2003) 5473

Zhu Yinghuai,^{a,*} Stefan Bahnmueller,^a Ching Chibun,^a Keith Carpenter,^a Narayan S. Hosmane^b and John A. Maguire^{c,*}

^a*Institute of Chemical and Engineering Sciences, Block 28, # 02-08, Ayer Rajah Crescent, Singapore 139959*

^b*Department of Chemistry and Biochemistry, Northern Illinois University, DeKalb, IL 60115, USA*

^c*Department of Chemistry, Southern Methodist University, Dallas, TX 75275, USA*



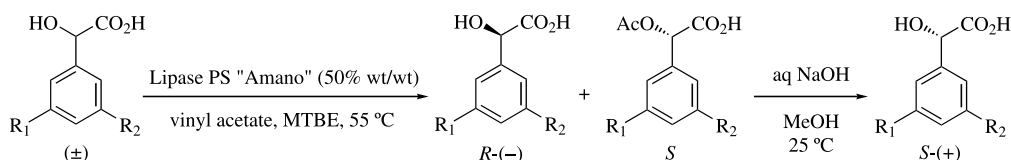
Enzymatic resolution of substituted mandelic acids

Tetrahedron Letters 44 (2003) 5477

Robert F. Campbell,^a Kevin Fitzpatrick,^a Tord Inghardt,^b Olle Karlsson,^b Kristina Nilsson,^b John E. Reilly^{a,*} and Larry Yet^a

^a*Albany Molecular Research, Inc., 21 Corporate Circle, PO Box 15098, Albany, NY 12212-5098, USA*

^b*AstraZeneca R & D Mölndal, S-431 83, Mölndal, Sweden 43183*



Synthesis of *N*-substituted 1,2,5-thiadiazolidine and 1,2,6-thiadiazinane 1,1-dioxides from primary amines

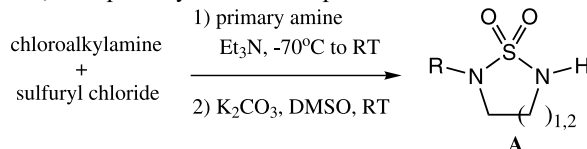
Tetrahedron Letters 44 (2003) 5483

Paul D. Johnson,^{a,*} Sarah A. Jewell^b and Donna L. Romero^a

^aMedicinal Chemistry, Pharmacia, Kalamazoo, MI 49001, USA

^bAlma College, Alma MI 48801, USA

A simple and efficient methodology for the synthesis of 1,2,5-thiadiazolidine and 1,2,6-thiadiazinane 1,1-dioxides (**A**) from sulfonyl chloride, chloroalkylamines, and primary amines is reported.

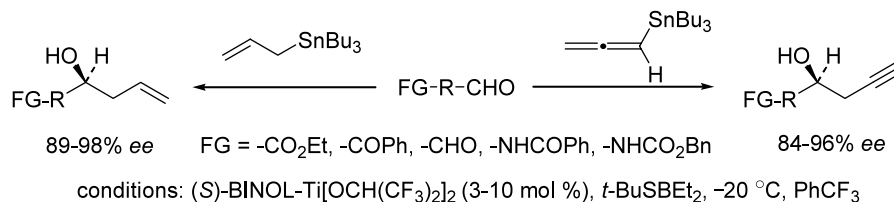


Catalytic allylic transfer reactions of functionalized aldehydes promoted by BINOL-Ti(IV) with synergistic reagent

Tetrahedron Letters 44 (2003) 5487

Chan-Mo Yu,^{*} Ji-Min Kim, Mi-Sook Shin and Daejin Cho

Department of Chemistry and BK-21 School of Molecular Science, Sungkyunkwan University, Suwon 440-746, Republic of Korea

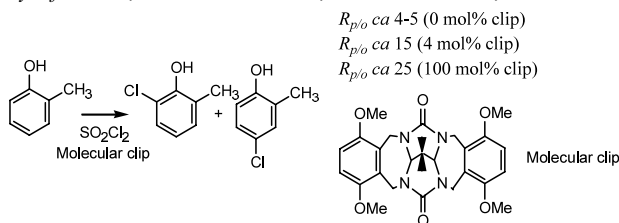


Regioselective supramolecular catalysis. Exploiting multiple binding motifs in propanediurea molecular clips

Tetrahedron Letters 44 (2003) 5491

Emmanuelle A. Bugnet, Tracy D. Nixon, Colin A. Kilner, Robert Greatrex and Terence P. Kee^{*}

Department of Chemistry, University of Leeds, Woodhouse Lane, Leeds LS2 9JT, UK

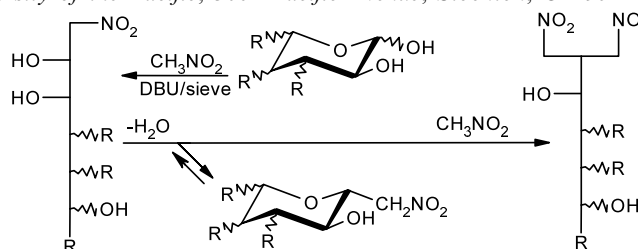


Henry condensations with 4,6-*O*-benzylidenylated and non-protected D-glucose and L-fucose via DBU-catalysis

Tetrahedron Letters 44 (2003) 5495

Pasit Phiasivongsa, Vyacheslav V. Samoshin and Paul H. Gross^{*}

Department of Chemistry, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211, USA

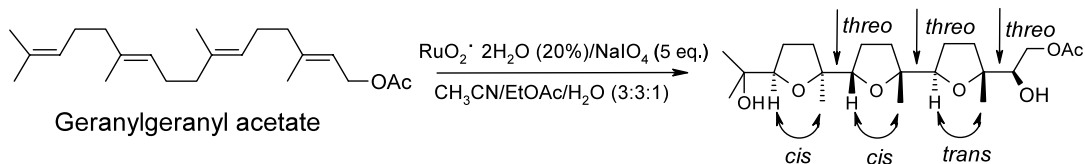


RuO₄-promoted oxidative polycyclization of isoprenoid polyenes. A further insight into the stereochemistry of the process

Giuseppe Bifulco,^b Teresa Caserta,^a Luigi Gomez-Paloma^b and Vincenzo Piccialli^{a,*}

^aDipartimento di Chimica Organica e Biochimica, Università degli Studi di Napoli 'Federico II', Via Cynthia 4, 80126 Napoli, Italy

^bDipartimento di Scienze Farmaceutiche, Università di Salerno, Via Ponte Don Melillo, 84084 Fisciano (Salerno), Italy

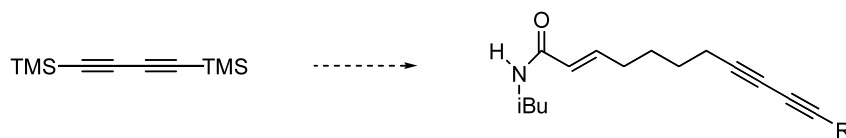


Synthesis of *N*-(2-methylpropyl)-2*E*-undecene-8,10-diynamide, a novel constituent of *Echinacea angustifolia*

George A. Kraus* and Jaehoon Bae

Department of Chemistry, Iowa State University, Ames, IA 50011, USA

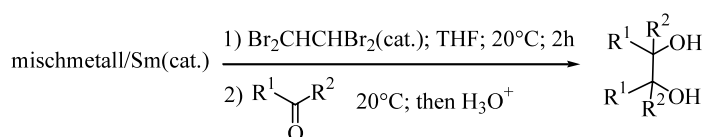
The first synthesis of a diacetylenic amide from *Echinacea* is reported. The key steps included the reaction of an aldehyde with the monoanion of a diacetylene and the reductive removal of a propargylic alcohol.



A new preparation of samarium dibromide and its use in stoichiometric and catalytic pinacol coupling reactions

Florence Hé lion, Marie-Isabelle Lannou and Jean-Louis Namy*

Laboratoire de Catalyse Moléculaire, associé au CNRS, ICMO, Bat 420, Université Paris-Sud, 91405 Orsay, France



Synthesis of 1-substituted 2,3-dihydro-7*H*-oxepin-4-one from an amino acid

Anna Kulesza, Frank H. Ebetino and Adam W. Mazur*

Procter & Gamble Pharmaceuticals, Health Care Research Center, 8700 Mason-Montgomery Road, Mason, OH 45040, USA

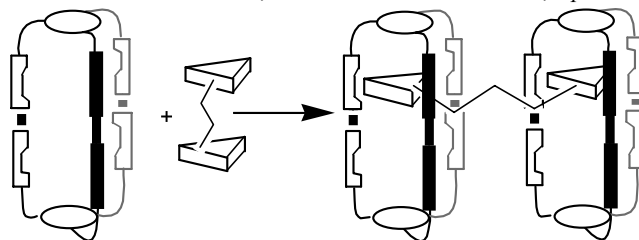


Thermodynamic study on supramolecular complex formation of theophylline derivatives with a synthetic receptor

Tetrahedron Letters 44 (2003) 5515

Jeroni Morey,* Pablo Ballester, Miquel Angel Barceló, Antoni Costa and Pere M. Deyà

Departament de Química, Universitat de les Illes Balears, 07122 Palma de Mallorca, Spain



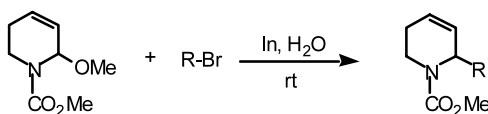
Indium-mediated nucleophilic substitution reaction of β,γ -unsaturated α -methoxypiperidine derivative in water

Tetrahedron Letters 44 (2003) 5519

Yoshihiro Matsumura,^{a,*} Osamu Onomura,^a Hideaki Suzuki,^a Shigeru Furukubo,^a Toshihide Maki^a and Chao-Jun Li^b

^a*Department of Pharmaceutical Sciences, Graduate School of Biomedical Sciences, Nagasaki University, 1-14 Bunkyo-machi, Nagasaki 852-8521, Japan*

^b*Department of Chemistry, Tulane University, New Orleans, LA 70118, USA*



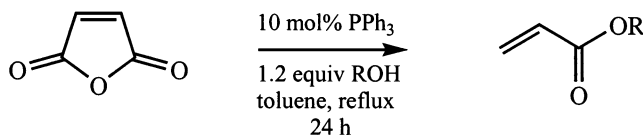
Triphenylphosphine-catalysed conversion of maleic anhydride into acrylate esters

Tetrahedron Letters 44 (2003) 5523

Gareth R. A. Adair, Michael G. Edwards and Jonathan M. J. Williams*

Department of Chemistry, University of Bath, Claverton Down, Bath BA2 7AY, UK

Maleic anhydride reacts with unhindered alcohols to provide acrylate esters in a process catalysed by triphenylphosphine.

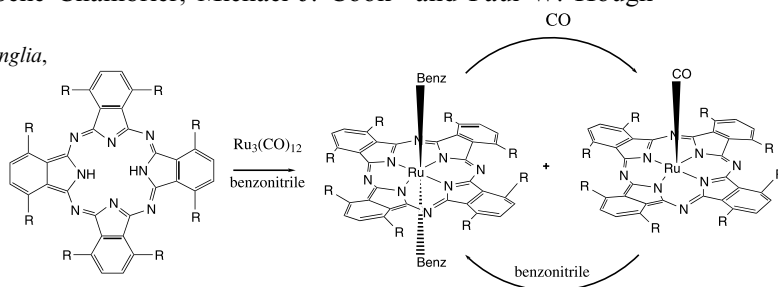


Controlled synthesis of ruthenium phthalocyanines and their use in the construction of supramolecular arrays

Tetrahedron Letters 44 (2003) 5527

Gulen Berber, Andrew N. Cammidge,* Isabelle Chambrier, Michael J. Cook* and Paul W. Hough

Wolfson Materials and Catalysis Centre, School of Chemical Sciences and Pharmacy, University of East Anglia, Norwich NR4 7TJ, UK



Reaction of benzoquinones and naphthoquinones with 1,8-diamino-3,6-dioxanonane and with 1,11-diamino-3,6,9-trioxaundecane

Alex K. Machocho,^a Thida Win,^b Sarina Grinberg^c and Shmuel Bittner^{d,*}

^aDepartment of Chemistry, Kenyatta University, PO Box 43844, Nairobi, Kenya

^bDepartment of Chemistry, University of Mandalay, Myanmar

^cInstitutes for Applied Research, Ben Gurion University of the Negev, Beer Sheva 84105, Israel

^dDepartment of Chemistry, Ben Gurion University of the Negev, Beer Sheva 84105, Israel



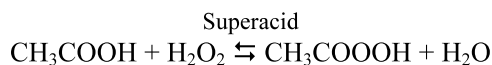
A new method for the preparation of peroxyacetic acid using solid superacid catalysts

Madhu Sudan Saha,^a Yoshinori Nishiki,^a Tsuneto Furuta,^a Ao Denggerile^b and Takeo Ohsaka^{b,*}

^aDevelopment Department, Permelec Electrode Ltd, 2023-15 Endo, Fujisawa-city, Kanagawa 252-0816, Japan

^bDepartment of Electronic Chemistry, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, 4259 Nagatsuta, Midori-ku, Yokohama 226-8502, Japan

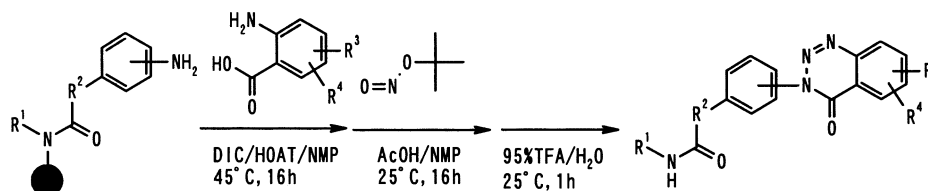
The preparation of peroxyacetic acid from acetic acid and hydrogen peroxide in the presence of solid superacids as a catalyst under mild conditions is reported.



Efficient solid-phase synthesis of diverse 1,2,3-benzotriazin-4-ones using *tert*-butyl nitrite

Tatsuya Okuzumi, Eiji Nakanishi, Takashi Tsuji and Shingo Makino*

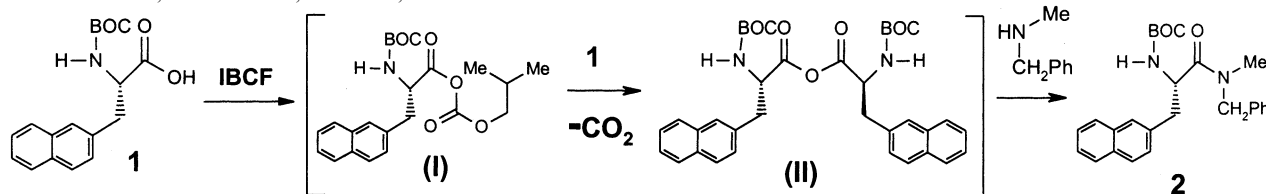
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Using mixed anhydrides from amino acids and isobutyl chloroformate in *N*-acylations: a case study on the elucidation of mechanism of urethane formation and starting amino acid liberation using carbon dioxide as the probe

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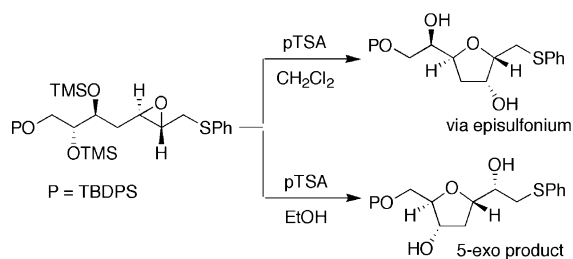
Regiochemical control in intramolecular cyclizations of 2,3-epoxysulfides mediated by solvent effects

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The regioselectivity of cyclization in methylene-interrupted epoxydiols with a thiophenyl ether group adjacent to the epoxide can be controlled by the appropriate choice of reaction conditions.



Arabidopsides A and B, two new oxylipins from *Arabidopsis thaliana*

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Two new oxylipins, arabidopsides A (**1**) and B were isolated from the aerial parts of *Arabidopsis thaliana*, and their structures and absolute stereochemistries were elucidated by spectroscopic data and chemical means.

