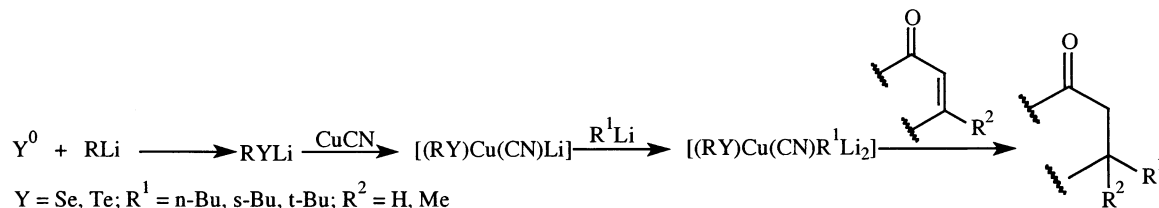


Preparation and reactivity of cyanocuprates containing alkylseleno and alkyltelluro groups as non-transferable ligands

Tetrahedron Letters 42 (2001) 2415

Fabiano K. Zinn, Eduardo C. Ramos and João V. Comasseto*

Instituto de Química, Universidade de São Paulo, Av. Professor Lineu Prestes 748, 05508-900, Cx. P. 26077, CEP 05599-070 São Paulo, Brazil


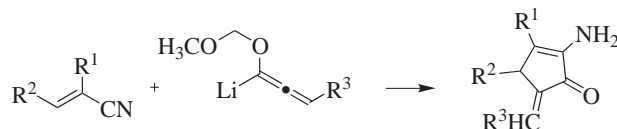
An imino Nazarov cyclization

Tetrahedron Letters 42 (2001) 2419

Marcus A. Tius,* Chester C. Chu and Raquel Nieves-Colberg

Department of Chemistry, University of Hawaii, 2545 The Mall, Honolulu, HI 96822, USA

α -Aminocyclopentenones are available in a single operation from α,β -unsaturated nitriles and (methoxy)methoxyallenes. The cyclization is equivalent to an imino Nazarov reaction.



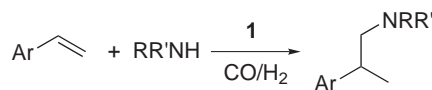
Zwitterionic rhodium complex catalyzed hydroaminomethylation of arylethylenes

Tetrahedron Letters 42 (2001) 2423

Yong-Shou Lin, Bassam El Ali and Howard Alper*

Center for Catalysis Research and Innovation, Department of Chemistry, University of Ottawa, 10 Marie Curie, Ottawa, Ont., Canada K1N 6N5

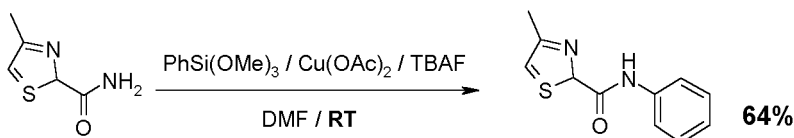
The hydroaminomethylation of arylethylenes catalyzed by $[Rh^+(\text{cod})(\eta^6\text{-PhBPh}_3)^-]$ (**1**) gave the corresponding branched methylated amines in high regioselectivity, under relatively low pressure of syngas.



α -Nitrogen activating effect in the room temperature copper-promoted *N*-arylation of heteroarylcarboxamides with phenyl siloxane or *p*-toluylboronic acid

Tetrahedron Letters 42 (2001) 2427

 Patrick Y. S. Lam,^{a,*} Sophie Deudon,^a Elisabeth Hauptman^b and Charles G. Clark^a
^aDuPont Pharmaceuticals Co., Experimental Station, PO Box 80500, Wilmington, DE 19880-0500, USA

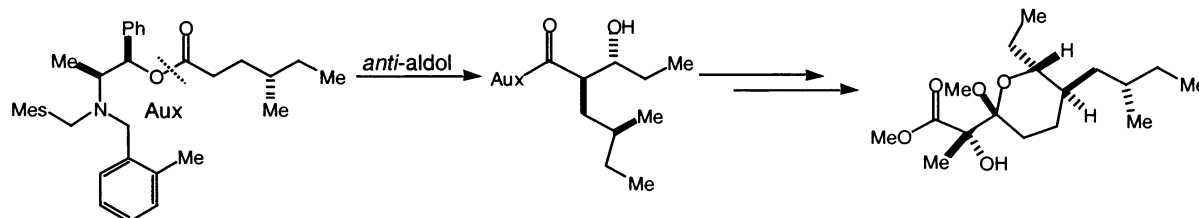
^bThe DuPont Company, Central Research and Development Department, PO Box 80328, Experimental Station, Wilmington, DE 19880-0328, USA


A practical synthesis of the lipophilic side chain of the polyoxypeptins

Tetrahedron Letters 42 (2001) 2431

Miguel Lorca and Michio Kurosu*

Department of Chemistry, The Florida State University, Tallahassee, FL 32306, USA

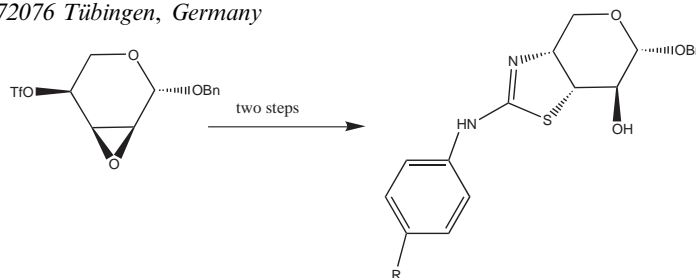


An expeditious approach to tri-substituted chiral thiazolines

Tetrahedron Letters 42 (2001) 2435

Raid J. Abdel-Jalil, Muhammad Saeed and Wolfgang Voelter*

Abteilung für Physikalische Biochemie des Physiologisch-chemischen Instituts der Universität Tübingen, Hoppe-Seyler-Straße 4, D-72076 Tübingen, Germany



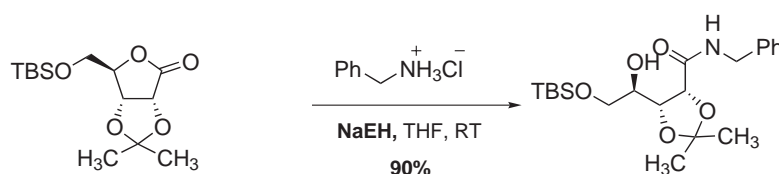
A mild method for ring-opening aminolysis of lactones

Tetrahedron Letters 42 (2001) 2439

Wenming Liu, David D. Xu,* Oljan Repič and Thomas J. Blacklock

Process R & D, Chemical and Analytical Development, Novartis Institute for Biomedical Research, 59 Route 10, East Hanover, NJ 07936, USA

Aminolysis of lactones by benzylamine hydrochloride is promoted by sodium 2-ethylhexanoate (NaEH). The conditions are very mild and general and are applicable to many acid/base sensitive substrates.

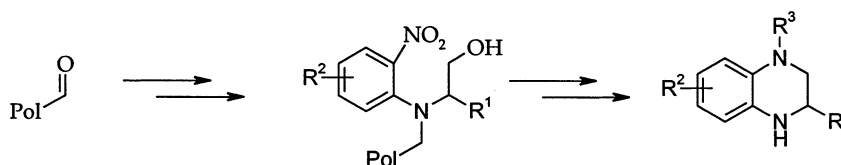


A solid-phase traceless synthesis of tetrahydroquinoxalines

Tetrahedron Letters 42 (2001) 2443

Viktor Krchňák,* Jennifer Smith and Josef Vágner

SIDDCO, 9040 South Rita Rd., Tucson, AZ 85747, USA

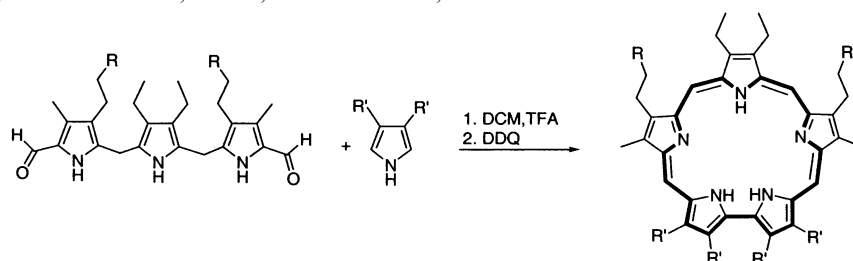


Synthesis of sapphyrins via a '3+1+1' procedure

Tetrahedron Letters 42 (2001) 2447

Sergiy V. Shevchuk, Julian M. Davis and Jonathan L. Sessler*

*Department of Chemistry and Biochemistry, Institute for Cellular and Molecular Biology,
The University of Texas at Austin, Austin, TX 78712-1167, USA*

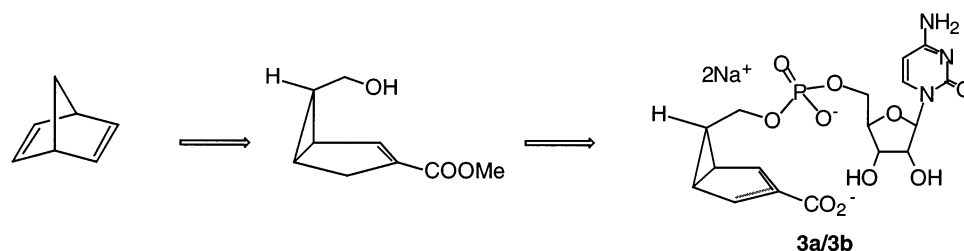


Synthesis of a new transition-state analog of the sialyl donor. Inhibition of sialyltransferases

Tetrahedron Letters 42 (2001) 2451

Hongbin Sun, Jingsong Yang, Katie E. Amaral and Benjamin A. Horenstein*

Department of Chemistry, University of Florida, Gainesville, FL 32611-7200, USA

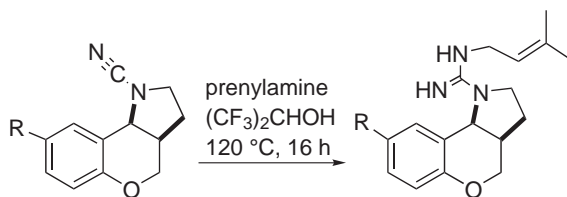


Synthesis of the hindered *N,N,N'*-trisubstituted guanidine moiety of martinelline and martinellinic acid

Tetrahedron Letters 42 (2001) 2455

Barry B. Snider* and Sean M. O'Hare

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



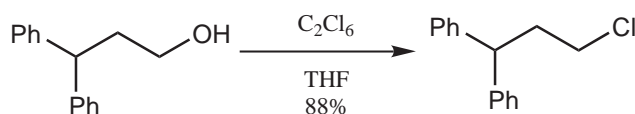
The conversion of alcohols to halides using a filterable phosphine source

Tetrahedron Letters 42 (2001) 2459

Michael P. Pollastri,* John F. Sagal and George Chang

*Pfizer Global Research and Development, Groton Laboratories, Department of Medicinal Chemistry, MS 8220-3161,
Eastern Point Road, Groton, CT 06475, USA*

The conversion of primary and secondary alcohols to chlorides and bromides using 1,2-bis(diphenylphosphino)ethane (diphos) is described. Use of this reagent in lieu of the typical triphenylphosphine-carbonyl halide complex provides a facile means of purifying the desired halide from the phosphine-oxide byproduct.



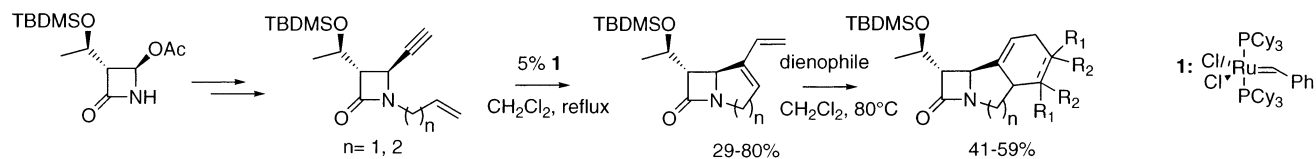
Synthetic approach to tricyclic β -lactams using metathesis and Diels–Alder reactions

Tetrahedron Letters 42 (2001) 2461

Romain Duboc,^a Charlotte Hénaut,^a Monique Savignac,^a Jean-Pierre Genet^{a,*} and Neerja Bhatnagar^b

^a*Ecole Nationale Supérieure de Chimie de Paris, Laboratoire de Synthèse Sélective Organique et Produits Naturels, UMR CNRS 7573, 11, rue Pierre et Marie Curie, 75231 Paris, France*

^b*Aventis Pharma, 102, route de Noisy, 93235 Romainville, France*



Bicyclic peroxides in the G factors series: synthesis and electrochemical studies

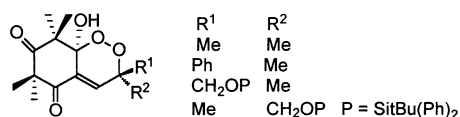
Tetrahedron Letters 42 (2001) 2465

Monica Gavrilan,^a Christiane André-Barrès,^{a,*} Michel Baltas,^{a,*} Théodore Tzedakis^b and Liliane Gorrichon^a

^a*Laboratoire de Synthèse et de Physicochimie de Molécules d'Intérêt Biologique, CNRS et Université Paul-Sabatier, 118 route de Narbonne, 31062 Toulouse, France*

^b*Laboratoire du Génie Chimique, CNRS et Université Paul-Sabatier, 118 route de Narbonne, 31062 Toulouse, France*

Endoperoxides of the family of G factors have been synthesised, and their cathodic peak potentials have been determined by thin-layer electrochemistry.



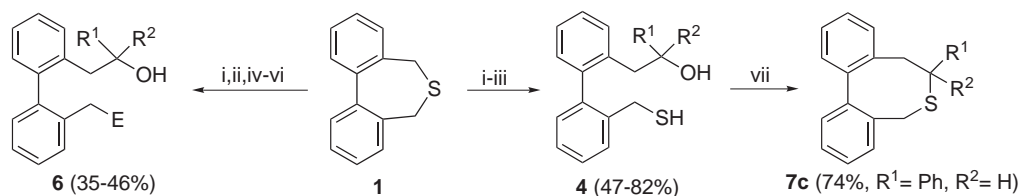
DTBB-catalysed lithiation of 1,7-dihydrodibenzothiepin

Tetrahedron Letters 42 (2001) 2469

Miguel Yus* and Francisco Foubelo*

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

Reagents and conditions: (i) Li, DTBB (5 mol%), THF, -78°C , 30 min; (ii) $\text{R}^1\text{R}^2\text{CO}$, -78°C , 5 min; (iii) 3N HCl, -78 to 20°C ; (iv) 20°C , 30 min; (v) E^+ , -78°C , 5 min; (vi) H_2O , -78 to 20°C ; (vii) H_3PO_4 (85%), PhMe, 110°C , 4 h.

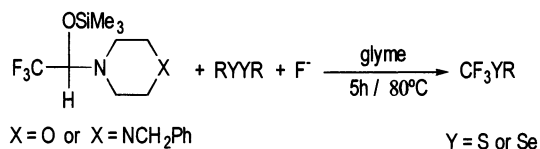


New stable reagents for the nucleophilic trifluoromethylation. Part 4: Trifluoromethylation of disulfides and diselenides with hemiaminals of trifluoroacetaldehyde

Tetrahedron Letters 42 (2001) 2473

G. Blond, T. Billard* and B. R. Langlois*

Laboratoire de Synthèse, Electrosynthèse et Réactivité des Composés Organiques Fluorés (UMR 5622), Université Claude Bernard, Lyon I, 43 Bd du 11 Novembre 1918, 69622 Villeurbanne, France

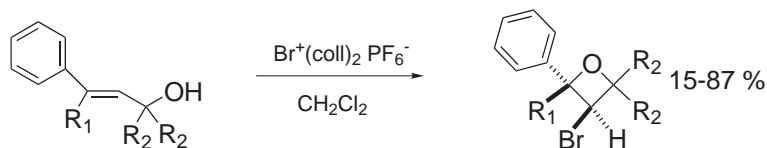


Preparation of oxetanes by 4-endo trig electrophilic cyclisations of cinnamic alcohols

Tetrahedron Letters 42 (2001) 2477

Sébastien Albert, Sylvie Robin and Gérard Rousseau*

Laboratoire des Carbocycles (Associé au CNRS), Institut de Chimie Moléculaire d'Orsay Bât. 420, Université de Paris-Sud, 91405 Orsay, France

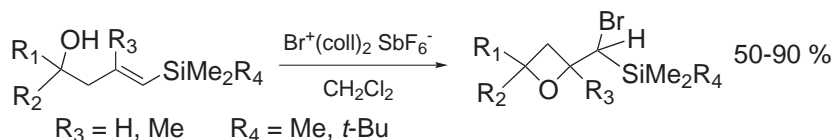


Preparation of oxetanes by silicon-directed 4-exo trig electrophilic cyclisations of homoallylic alcohols

Tetrahedron Letters 42 (2001) 2481

Mazin Rofoo, Marie-Claude Roux and Gérard Rousseau*

Laboratoire des Carbocycles (Associé au CNRS), Institut de Chimie Moléculaire d'Orsay, Bât. 420, Université de Paris-Sud, 91405 Orsay, France



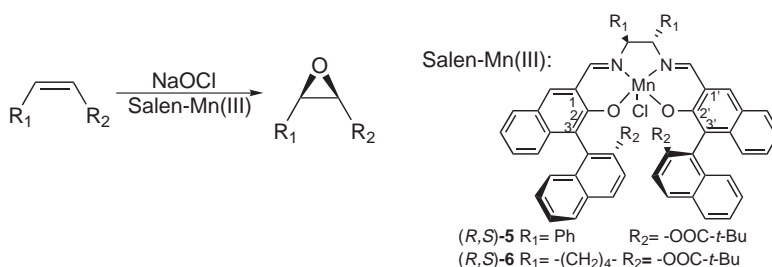
Enantioselective epoxidation of olefins catalyzed by new sterically hindered salen-Mn(III) complexes

Tetrahedron Letters 42 (2001) 2485

Kwang-Hyun Ahn,^{a,*} Sang Wook Park,^a Soojin Choi,^a Hyun-Ju Kim^b and Chi Jang Moon^b

^aCollege of Environments and Applied Chemistry, Kyung Hee University, Yongin City 449-701, South Korea

^bChoongwae Pharma Corporation, Hwasung-Goon, Kyunggi-Do 445-970, South Korea



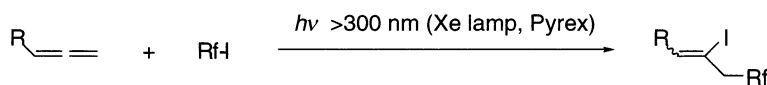
Highly regioselective iodoperfluoroalkylation of allenes with perfluoroalkyl iodides upon irradiation with near-UV light

Tetrahedron Letters 42 (2001) 2489

Akiya Ogawa,^{a,*} Motohiro Imura,^b Nagisa Kamada^a and Toshikazu Hirao^{b,*}

^aDepartment of Chemistry, Faculty of Science, Nara Women's University, Kita-uoyanishi-machi, Nara 630-8506, Japan

^bDepartment of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565-0871, Japan



High-yielding TfOH-catalyzed condensation of phenols with aromatic aldehydes at high pressure. A model synthesis of the benzylidene biphenol key skeleton of blepharismins

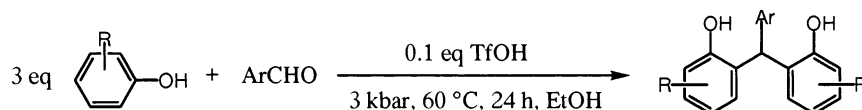
Tetrahedron Letters 42 (2001) 2493

Takeshi Ohishi,^a Tomoyuki Kojima,^a Tatsuomi Matsuoka,^b Motoo Shiro^c and Hiyoshizo Kotsuki^{a,*}

^aDepartment of Chemistry, Faculty of Science, Kochi University, Akebono-cho, Kochi 780-8520, Japan

^bDepartment of Biology, Faculty of Science, Kochi University, Akebono-cho, Kochi 780-8520, Japan

^cRigaku Corporation, Matsubara-cho, Akishima, Tokyo 196, Japan



Two new alkaloids, pipericyclobutanamides A and B, from *Piper nigrum*

Tetrahedron Letters 42 (2001) 2497

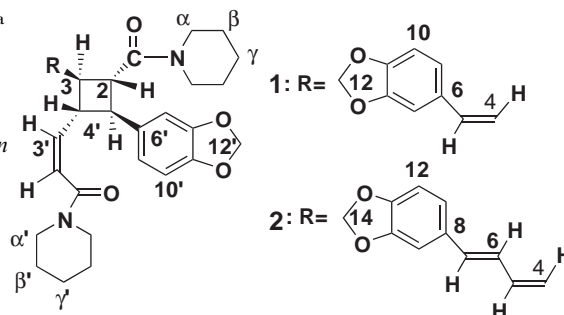
Yasuhiro Fujiwara,^{a,*} Kaname Naithou,^a Tomoko Miyazaki,^a Keiji Hashimoto,^a Kazuo Mori^b and Yasuo Yamamoto^c

^aKyoto Pharmaceutical University, Yamashina-ku, Kyoto 607-8414, Japan

^bHyogo College, Hyogo University, Hiraoka, Kakogawa 675-0101, Japan

^cSonoda Women's College, Minamitsukaguchi, Amagasaki 661-0012, Japan

Two new alkaloids possessing a cyclobutane ring, named pipericyclobutanamides A (1) and B (2), have been isolated from the fruits of *Piper nigrum*. Their stereostructures were determined by extensive spectroscopic methods.



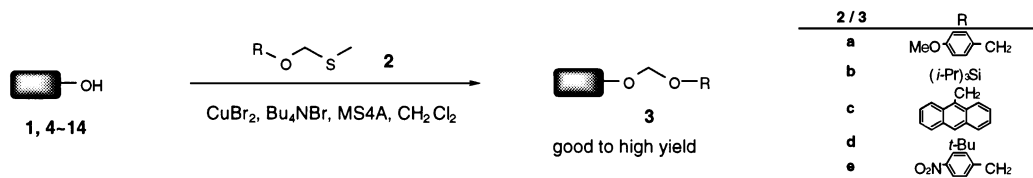
A new method for formacetal linkage formation: protection of alcohols, phenols and carboxylic acids

Tetrahedron Letters 42 (2001) 2501

Daisuke Sawada^a and Yukishige Ito^{b,*}

^aGraduate School of Pharmaceutical Sciences, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan

^bRIKEN (Institute of Physical and Chemical Research), 2-1 Hirosawa, Wako, Saitama 351-0198, Japan



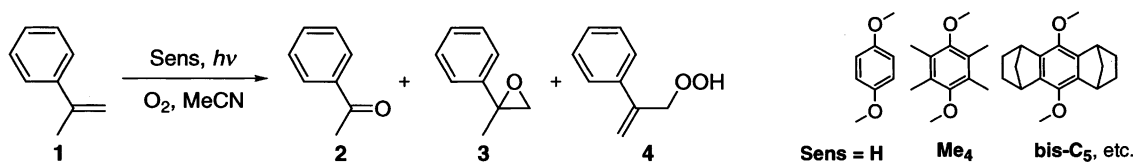
Photoinduced electron transfer oxidation of α -methylstyrene with molecular oxygen sensitized by dimethoxybenzenes: a non-singlet-oxygen mechanism

Tetrahedron Letters 42 (2001) 2505

Tadashi Mori,^{a,*} Makoto Takamoto,^a Yoshimasa Tate,^a Junya Shinkuma,^a Takehiko Wada^a and Yoshihisa Inoue^{a,b,*}

^aDepartment of Molecular Chemistry, Osaka University, 2-1 Yamada-oka, Suita 565-0871, Japan

^bInoue Photochirogenesis Project, ERATO, JST, 4-6-3 Kamishinden, Toyonaka 565-0085, Japan

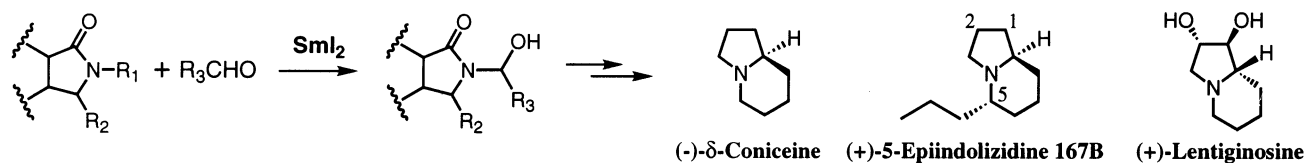


SmI_2 -mediated hetero-coupling reaction of lactams with aldehydes; synthesis of indolizidine alkaloids, (-)- δ -coniceine, (+)-5-epiindolizidine 167B and (+)-lentiginosine

Tetrahedron Letters 42 (2001) 2509

Hidemi Yoda,* Hideaki Katoh, Yasuaki Ujihara and Kunihiro Takabe

Department of Molecular Science, Faculty of Engineering, Shizuoka University, Hamamatsu 432-8561, Japan



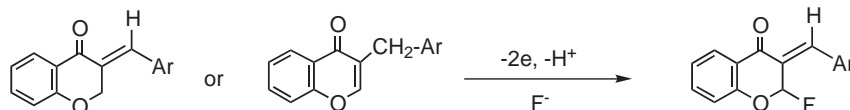
Electrolytic partial fluorination of organic compounds. Part 45: Highly regioselective anodic monofluorination of (E)-3-benzylidene-2,3-dihydrochroman-4-ones

Tetrahedron Letters 42 (2001) 2513

Kamal M. Dawood^{a,b} and Toshio Fuchigami^{a,*}

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

^b*Department of Chemistry, Faculty of Science, Cairo University, Giza, Egypt*

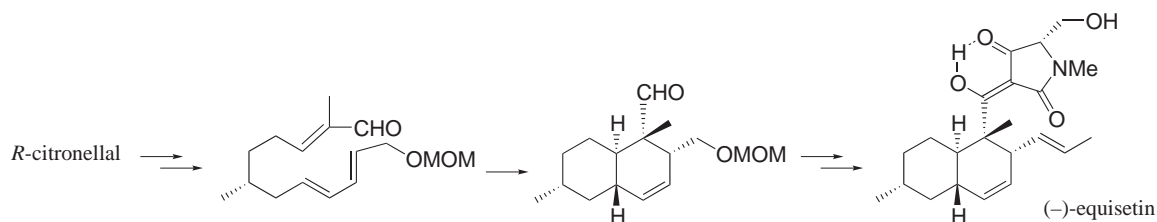


Enantioselective total synthesis of (-)-equisetin using a Me_3Al -mediated intramolecular Diels-Alder reaction

Tetrahedron Letters 42 (2001) 2517

Kumiko Yuki, Mitsuru Shindo and Kozo Shishido*

Institute for Medicinal Resources, University of Tokushima, 1-78 Sho-machi, Tokushima 770-8505, Japan



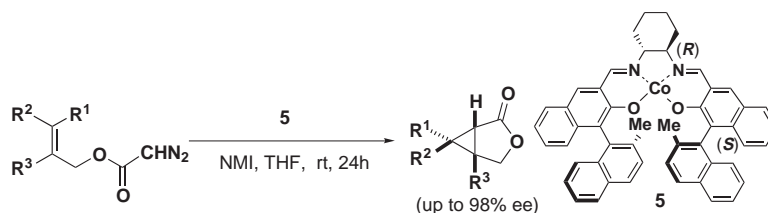
Co(II)-salen-catalyzed asymmetric intramolecular cyclopropanation

Tetrahedron Letters 42 (2001) 2521

Tatsuya Uchida, Biswajit Saha and Tsutomu Katsuki*

Department of Chemistry, Faculty of Science, Graduate School, Kyushu University 33, Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

Chiral Co(II)-salen complexes were found to be highly efficient catalysts for enantioselective intramolecular cyclopropanation.



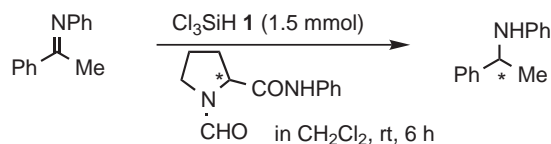
First chemo- and stereoselective reduction of imines using trichlorosilane activated with *N*-formylpyrrolidine derivatives

Tetrahedron Letters 42 (2001) 2525

Fumiaki Iwasaki,^a Osamu Onomura,^b Katsuhiko Mishima,^b Takefumi Kanematsu,^b Toshihide Maki^b and Yoshihiro Matsumura^{b,*}

^a*Tsukuba Research Laboratory, Tokuyama Corporation, 40 Wadai, Tsukuba 300-4247, Japan*

^b*Faculty of Pharmaceutical Sciences, Nagasaki University, 1-14 Bunkyo-machi, Nagasaki 852-8521, Japan*

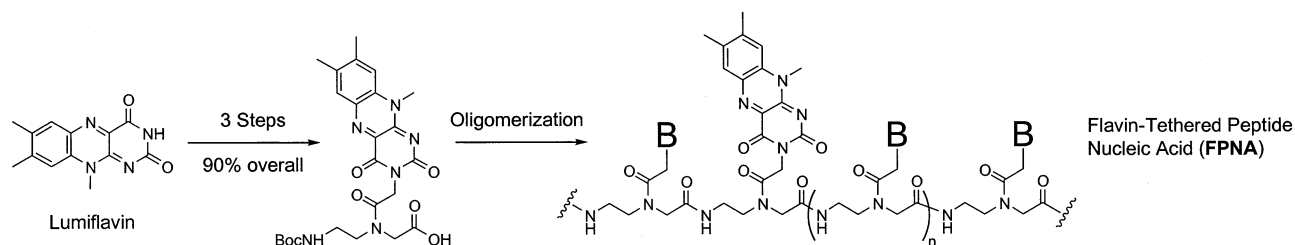


Synthesis and characterization of flavin-tethered peptide nucleic acid

Tetrahedron Letters 42 (2001) 2529

Hisafumi Ikeda, Kohzo Yoshida, Makoto Ozeki and Isao Saito*

Department of Synthetic Chemistry and Biological Chemistry, Faculty of Engineering, Kyoto University, CREST, Japan Science and Technology Corporation, Yoshida, Sakyo, Kyoto 606-8501, Japan

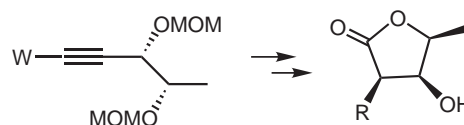


Asymmetric synthesis of (-)-*epi*-blastmycinone and (2*R*,3*S*,4*S*)-3-hydroxy-4-methyl-2-(1'-*n*-tetradecyl)-butanolide via a tungsten-mediated cyclization reaction

Tetrahedron Letters 42 (2001) 2533

Bo Liu, Ming-Jung Chen, Ching-Yu Lo and Rai-Shung Liu*

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



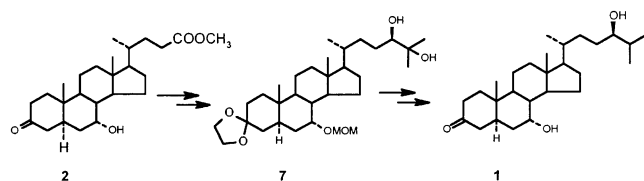
W = $\text{CpW}(\text{CO})_3$, R = C_4H_9 or $\text{C}_{14}\text{H}_{29}$

A new highly stereoselective construction of the sidechain of squalamine through improved Sharpless catalytic asymmetric dihydroxylation

Tetrahedron Letters 42 (2001) 2537

Xiang-Dong Zhou, Feng Cai and Wei-Shan Zhou*

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Fenglin Lu 354, Shanghai 200032, China

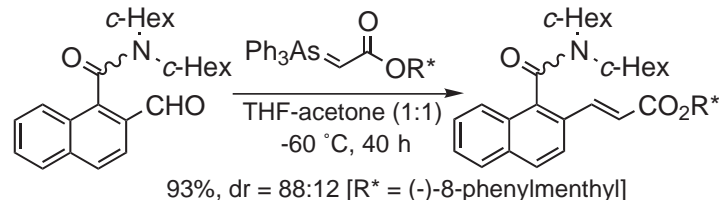


**Asymmetric Wittig reactions of chiral arsonium ylides. Part 2:
Atroposelective olefination of axially chiral *N,N*-dialkyl
2-formyl-1-naphthamides**

Tetrahedron Letters 42 (2001) 2541

Wei-Min Dai* and Chi Wai Lau

*Department of Chemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,
Hong Kong SAR, China*



A highly stereoselective synthesis of indolyl *N*-substituted glycines

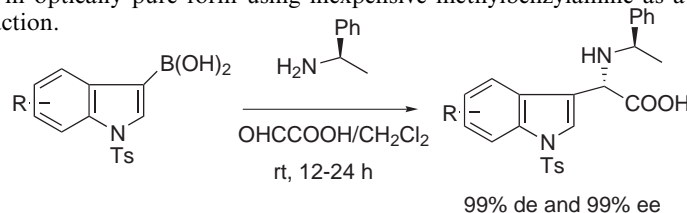
Tetrahedron Letters 42 (2001) 2545

Biao Jiang,^{a,*} Cai-Guang Yang^a and Xiao-Hui Gu^b

^a*Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, PR China*

^b*Alcohol and Drug Abuse Research Center, McLean Hospital-Harvard Medical School, 115 Mill Street, Belmont,
MA 02478-9106, USA*

α -Indolylglycines have been synthesized in optically pure form using inexpensive methylbenzylamine as a chiral auxiliary via an organoboronic acid Mannich reaction.



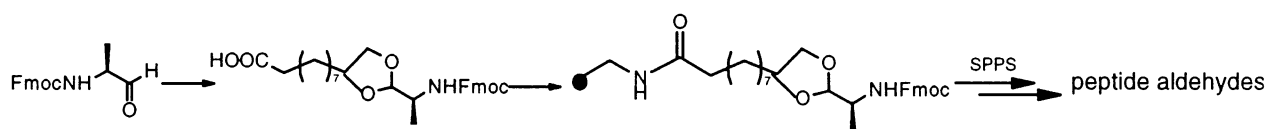
Solid-phase synthesis of peptide aldehydes directly on acetal resin

Tetrahedron Letters 42 (2001) 2549

Wu Yao and Hong Yan Xu*

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China

A novel method of solid-phase synthesis of peptide aldehydes is described.

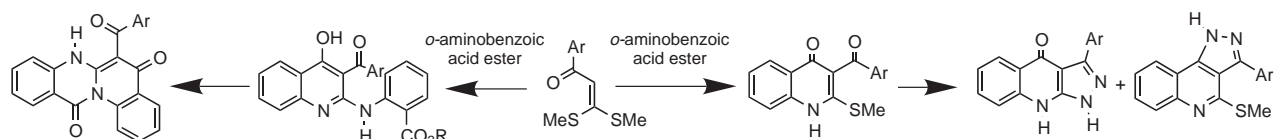


**Novel and convenient synthesis of polyfunctionalized quinolines,
quinolones and their annulation reactions**

Tetrahedron Letters 42 (2001) 2553

Mei-Xiang Wang,* Yong Liu and Zhi-Tang Huang

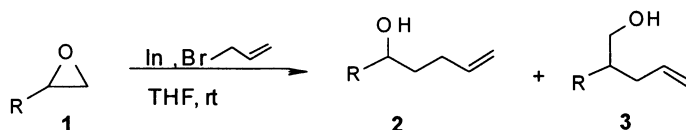
Center for Molecular Science, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080, China



Indium-mediated regioselective allylation of terminal epoxides: a facile synthesis of bishomoallyl alcohols

Tetrahedron Letters 42 (2001) 2557

J. S. Yadav,* S. Anjaneyulu, Md. Moinuddin Ahmed and B. V. Subba Reddy
Organic Division I, Indian Institute of Chemical Technology, Hyderabad-7, India



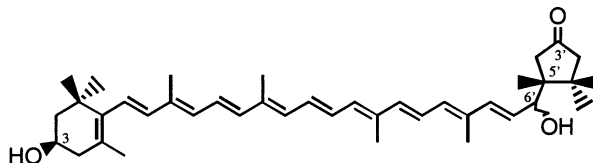
Configuration of a single centre determines chirality of supramolecular carotenoid self-assembly

Tetrahedron Letters 42 (2001) 2561

Ferenc Zsila,^a Zsolt Bikádi,^a József Deli^b and Miklós Simonyi^{a,*}

^aDepartment of Molecular Pharmacology, Institute of Chemistry, CRC, POB 17, Budapest H-1525, Hungary
^bDepartment of Medical Chemistry, University of Pécs, Faculty of Medicine, POB 99, Pécs H-7601, Hungary

Capsanthol-3'-on 6'-epimers form different types of aggregates; achiral β -carotene contributes to supramolecular chirality.

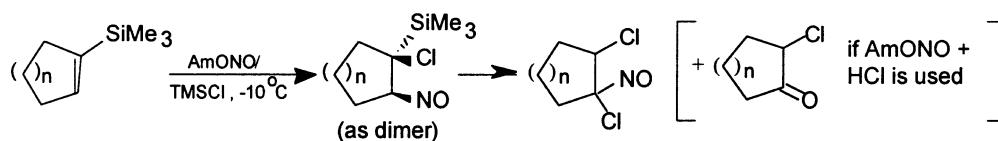


Addition of NOCl to cyclic vinylsilanes: an unexpected reversal of regiochemistry

Tetrahedron Letters 42 (2001) 2565

M. Narendra Mallya,^a Gopalpur Nagendrappa,^{a,*} J. Shashidhara Prasad,^b
M. A. Sridhar,^b N. K. Lokanath^b and N. S. Begum^a

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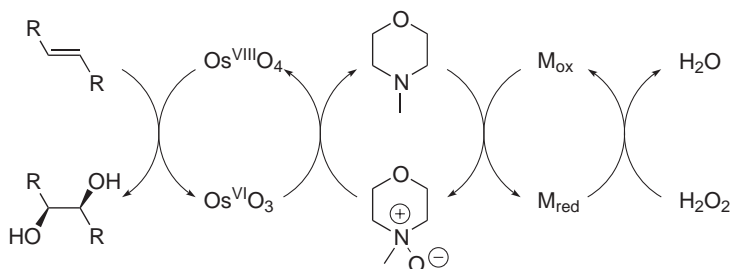


Vanadyl acetylacetonate as peroxide activator in osmium-catalyzed dihydroxylation of olefins by hydrogen peroxide

Tetrahedron Letters 42 (2001) 2569

Alida H. Éll, Sandra Y. Jonsson, Anna Börje,
Hans Adolfsson and Jan-E. Bäckvall*
Department of Organic Chemistry, Arrhenius Laboratory, Stockholm University, SE-106 91 Stockholm, Sweden

Vanadyl acetylacetonate (M = V in scheme) is employed as an activator for hydrogen peroxide in a coupled catalytic system for the dihydroxylation of olefins.



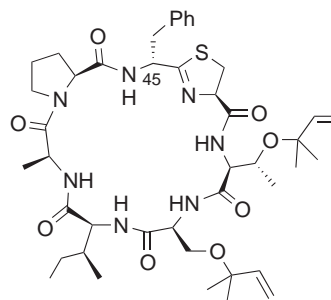
Total synthesis of the prenylated cyclopeptide trunkamide A, a cytotoxic metabolite from *Lissoclinum* sp.

Tetrahedron Letters 42 (2001) 2573

Benedict McKeever and Gerald Pattenden*

School of Chemistry, University of Nottingham, Nottingham NG7 2RD, UK

A total synthesis of the doubly prenylated cyclic peptide trunkamide A of marine origin, and also its C45 epimer, is described.



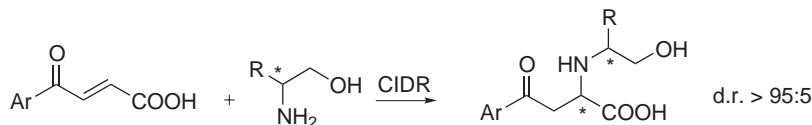
Crystallization-induced dynamic resolution (CIDR) and its application to the synthesis of unnatural *N*-substituted amino acids derived from acryloyl acids

Tetrahedron Letters 42 (2001) 2579

Andrej Kolarovic,^a Dušan Berkeš,^{a,*} Peter Baran^b and František Povazanec^a

^a*Department of Organic Chemistry, Slovak Technical University, Radlinského 9, SK-812 37 Bratislava, Slovakia*

^b*Department of Chemistry, University of Puerto Rico, Rio Piedras, PO Box 23346, San Juan 00931-3346, Puerto Rico*



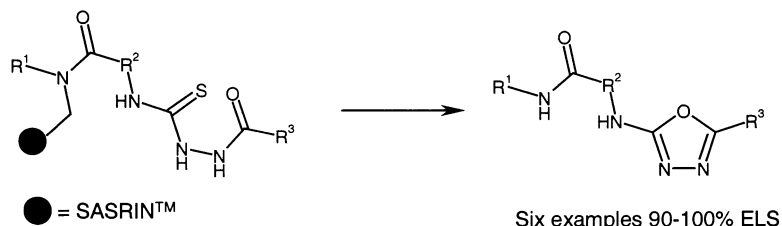
1,3,4-Oxadiazole formation; a novel solid support strategy

Tetrahedron Letters 42 (2001) 2583

John P. Kilburn,^{a,b,*} Jesper Lau^a and Raymond C. F. Jones^b

^a*Department of Medicinal Chemistry, Novo Nordisk A/S, Novo Nordisk Park, 2760 Maaloev, Denmark*

^b*Chemistry Department, The Open University, Walton Hall, Milton Keynes MK7 6AA, UK*



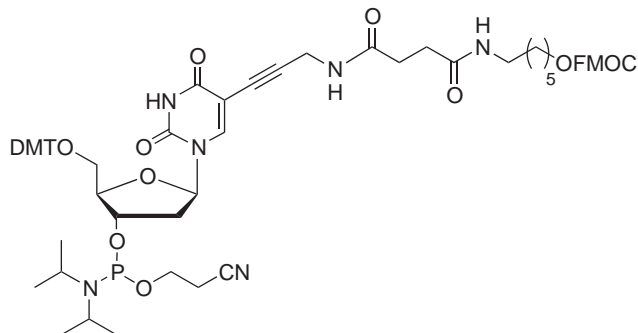
Synthesis of a modified thymidine monomer for site-specific incorporation of reporter groups into oligonucleotides

Tetrahedron Letters 42 (2001) 2587

Lynda J. Brown,^b Jonathan P. May^a and Tom Brown^{a,*}

^a*Department of Chemistry, University of Southampton, Highfield, Southampton SO17 1BJ, UK*

^b*Oswel Research Products, Biological and Medical Sciences Building, University of Southampton, Bassett Crescent East, Southampton SO16 7PX, UK*



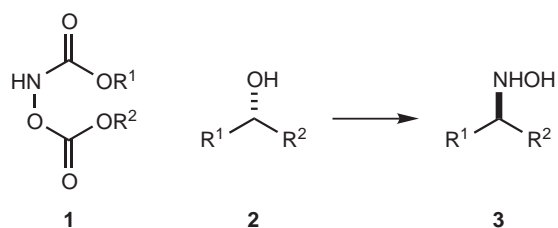
A survey of suitable protecting groups for the synthesis of hydroxylamines by Mitsunobu reactions

Tetrahedron Letters 42 (2001) 2593

David W. Knight* and Mathew P. Leese

Department of Chemistry, Cardiff University, PO Box 912, Cardiff CF10 3TB, UK

A range of protected hydroxylamines **1** have been prepared and tested for their suitability for carrying out the conversion of alcohols **2** into hydroxylamines **3**.



The synthesis of *N*-hydroxyisindolines by reverse-Cope chemistry

Tetrahedron Letters 42 (2001) 2597

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^b*Department of Organic Chemistry, Faculty of Agricultural and Applied Biological Sciences, University of Gent, Coupure Links 653, B-90000 Gent, Belgium*

Reverse-Cope cyclisations of *ortho*-alkenyl benzylhydroxylamines give excellent yields of *N*-hydroxyisindolines.

