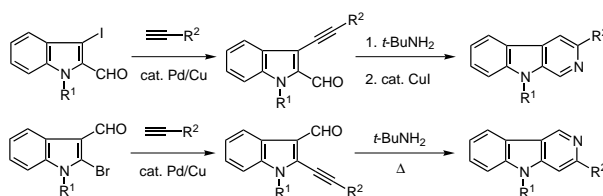


Synthesis of β - and γ -carbolines by the palladium/copper-catalyzed coupling and copper-catalyzed or thermal cyclization of terminal acetylenes

Tetrahedron Letters 43 (2002) 1359

Haiming Zhang and Richard C. Larock*

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



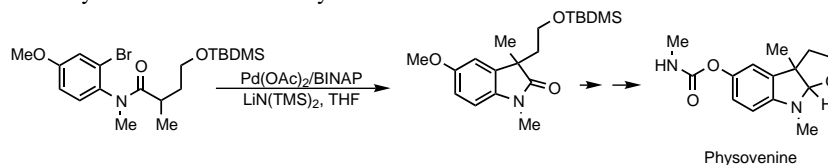
Palladium-catalyzed intramolecular arylation of an anilide enolate, application to an efficient formal total synthesis of physovenine

Tetrahedron Letters 43 (2002) 1363

Tony Y. Zhang* and Hongbin Zhang

Chemical Process Research and Development, Lilly Research Laboratories, Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285-4813, USA

An expedient formal total synthesis of the calabar alkaloid physovenine was reported. The key step involves an oxindole synthesis via palladium-catalyzed intramolecular arylation of *o*-bromoanilide.

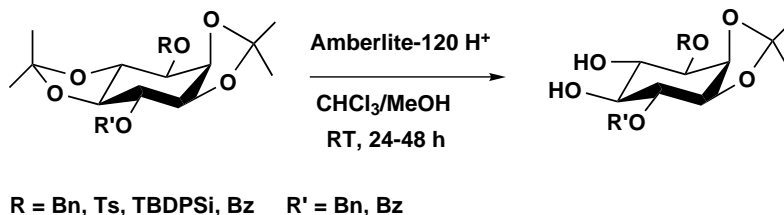


Facile selective cleavage of a *myo*-inositol *trans*-isopropylidene acetal in the presence of a *cis*-isopropylidene acetal

Tetrahedron Letters 43 (2002) 1367

K. S. Ravikumar and David Farquhar*

Department of Experimental Therapeutics, The University of Texas M.D. Anderson Cancer Center, Houston, TX 77030, USA



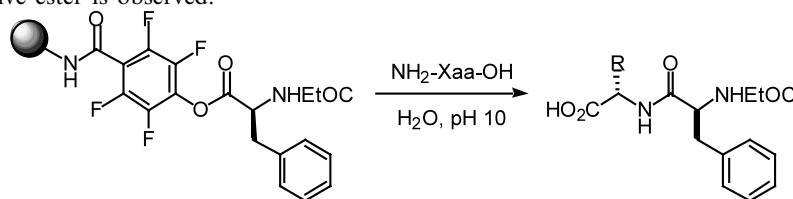
Preparation of active esters on solid support for aqueous-phase peptide couplings

Tetrahedron Letters 43 (2002) 1369

Andrew D. Corbett and James L. Gleason*

Department of Chemistry, McGill University, 801 Sherbrooke W., Montreal, QC, Canada H3A 2K6

TentaGel supported tetrafluorophenyl esters are found to be useful for the formation of dipeptides in water. Minimal hydrolysis of the active ester is observed.



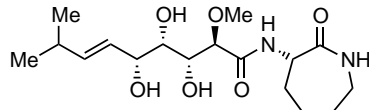
Total synthesis of bengamide E

Tetrahedron Letters 43 (2002) 1373

Wenming Liu,* Joanna M. Szweczyk, Liladhar Waykole, Oljan Repič and Thomas J. Blacklock

Process R&D, Chemical and Analytical Development, Novartis Institute for Biomedical Research, One Health Plaza, East Hanover, NJ 07936, USA

A total synthesis of bengamide E is reported. The synthesis includes the utilization of D-tartrate as the chiral building block, construction of the *E*-olefin by the Julia protocol, an *anti*-aldol reaction to generate C-2 and C-3 stereocenters, and coupling of the thioester with caprolactam hydrochloride using sodium 2-ethylhexanoate.

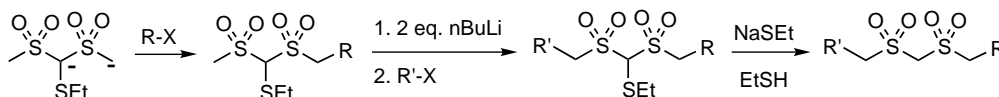


An efficient synthesis of geminal di-sulfones

Tetrahedron Letters 43 (2002) 1377

Yimin Zhu and Dale G. Drueckhammer*

Department of Chemistry, State University at Stony Brook, Stony Brook, NY 11794, USA

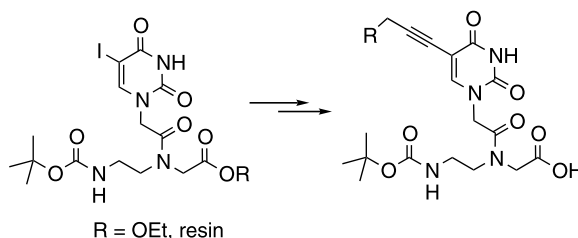


The use of Sonogashira coupling for the synthesis of modified uracil peptide nucleic acid

Tetrahedron Letters 43 (2002) 1381

Robert H. E. Hudson,* Ge Li and Joseph Tse

Department of Chemistry, The University of Western Ontario, London, Ontario, Canada N6A 5B7



Facile access to aryltellurium compounds from arylboronic acids

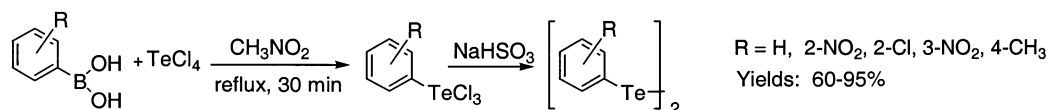
Tetrahedron Letters 43 (2002) 1387

Aaron R. Clark,^a Rashmi Nair,^a Frank R. Fronczek^b and Thomas Junk^{a,*}

^a*Department of Chemistry, University of Louisiana at Monroe, Monroe, LA 71203, USA*

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

Arylboronic acids react with tellurium tetrachloride to generate aryltellurium trichlorides, which were reduced to diaryl ditellurides without prior isolation. Similarly, asymmetrical diaryl tellurides are accessible from arylboronic acids and aryltellurium tribromides.



Desmosdumotin C, a novel cytotoxic principle from *Desmos dumosus*

Tetrahedron Letters 43 (2002) 1391

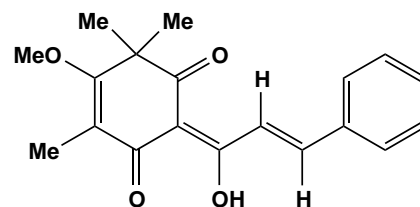
Jiu-Hong Wu,^{a,*} Andrew T. McPhail,^b Kenneth F. Bastow,^c Hiroaki Shiraki,^c Junko Ito^c and Kuo-Hsiung Lee^{c,*}

^aDepartment of Pharmacy, 306 Hospital of PLA, Beijing 100101, China

^bDepartment of Chemistry, Paul M. Gross Chemical Laboratory, Duke University, Durham, North Carolina 27708, USA

^cNatural Products Laboratory, School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina 27599, USA

The structure of desmosdumotin C (1), a novel cytotoxic compound isolated from the roots of *Desmos dumosus*, has been established from spectral data and X-ray crystallographic analysis.



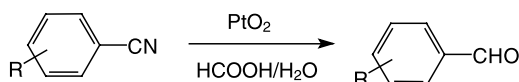
A novel and convenient transformation of nitriles to aldehydes

Tetrahedron Letters 43 (2002) 1395

Fred Xi,^{*} Fred Kamal and Mark A. Schenerman

MedImmune, Inc., 35 West Watkins Mill Road, Gaithersburg, MD 20878, USA

Various aromatic nitriles are reduced to the corresponding aldehydes by platinum(IV) oxide in aqueous formic acid with yields ranging from 76 to 94%. This mild method may be generally applied to multi-step organic synthesis.



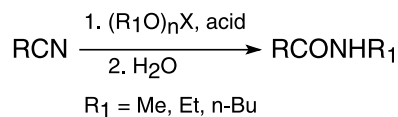
Lower primary alkanols and their esters in a Ritter-type reaction with nitriles. An efficient method for obtaining *N*-primary-alkyl amides

Tetrahedron Letters 43 (2002) 1397

Mikhail Y. Lebedev^{*} and Mark B. Erman

Millennium Specialty Chemicals, PO Box 389, Jacksonville, FL 32201, USA

N-Primary-alkyl amides were obtained by a Ritter-type reaction of nitriles with lower primary alkanols or their esters in the presence of acids.



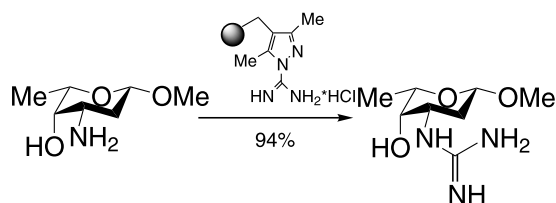
A new reagent and its polymer-supported variant for the amidination of amines

Tetrahedron Letters 43 (2002) 1401

Gerald Dräger,^a Wladimir Solodenko,^a Josef Messinger,^b Uwe Schön^b and Andreas Kirschning^{a,*}

^aInstitut für Organische Chemie der Universität Hannover, Schneiderberg 1B, D-30167 Hannover, Germany

^bSolvay Pharmaceuticals GmbH, Hans-Böckler-Allee 20, D-30173 Hannover, Germany

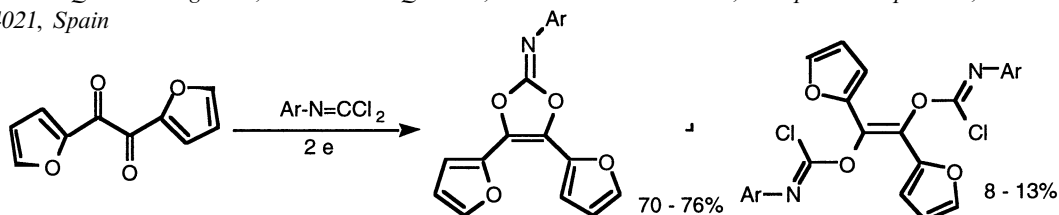


Electrochemical reduction of diheteroaryl-1,2-diketones in the presence of carbonimidoyl dichlorides. First synthesis of 2-arylimino-4,5-di-2-furyl-1,3-dioxoles and (*E*)-1,2-di-2-furylvinylene bis(*N*-arylchloroformimidates)

Tetrahedron Letters 43 (2002) 1405

Antonio Guirado,* Andrés Zapata, Raquel Andreu and Bruno Martiz

Departamento de Química Orgánica, Facultad de Química, Universidad de Murcia, Campus de Espinardo, 30071 Murcia, Apartado 4021, Spain



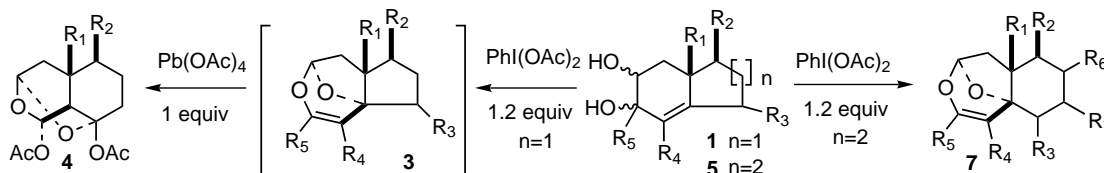
Iodobenzene diacetate-mediated hetero-domino transformations

Tetrahedron Letters 43 (2002) 1409

José Ignacio Candela Lena, Ertan Altinel, Nicolas Birlirakis and Siméon Arseniyadis*

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

Cyclic ene-acetals of type **3** and **7** are obtained in good yields from $\text{PhI}(\text{OAc})_2$ mediated domino reactions on unsaturated diols **1** and **5**. The unstable tricyclic enol ethers **3** were isolated as their ring-expanded counterparts **4**.



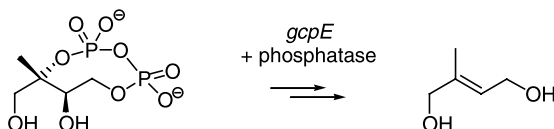
Isoprenoid biosynthesis in *Escherichia coli* via the methylerythritol phosphate pathway: enzymatic conversion of methylerythritol cyclodiphosphate into a phosphorylated derivative of (*E*)-2-methylbut-2-ene-1,4-diol

Tetrahedron Letters 43 (2002) 1413

Myriam Seemann,^a Narciso Campos,^b Manuel Rodriguez-Concepción,^b Ester Ibañez,^b Tore Duvold,^a Denis Tritsch,^a Albert Boronat^b and Michel Rohmer^{a,*}

^aUniversité Louis Pasteur/CNRS, Institut Le Bel, 4 rue Blaise Pascal, F-67070 Strasbourg Cedex, France

^bDepartament de Bioquímica i Biologia Molecular, Facultat de Química, Universitat de Barcelona, Martí i Franquès 1, ES-08028 Barcelona, Spain

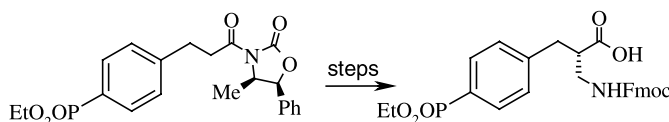


Enantioselective synthesis of (2*S*)-2-(4-phosphonophenylmethyl)-3-aminopropanoic acid suitably protected for peptide synthesis

Tetrahedron Letters 43 (2002) 1417

Wang-Qing Liu, Catherine Olszowy, Laurent Bischoff and Christiane Garbay*

Laboratoire de Pharmacochimie Moléculaire et Structurale INSERM et CNRS, Faculté des Sciences Pharmaceutiques et Biologiques, 4, avenue de l'Observatoire, 75270 Paris Cedex 06, France

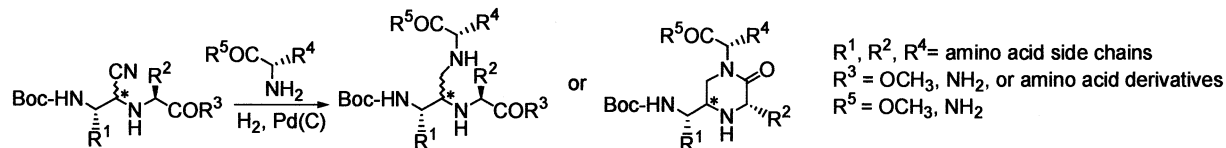


C-Backbone branched peptides via reductive amination of cyanomethyleneamino pseudopeptides

Tetrahedron Letters 43 (2002) 1421

Susana Herrero, M. Luisa Suárez-Gea, M. Teresa García-López and Rosario Herranz*

Instituto de Química Médica (CSIC), Juan de la Cierva 3, E-28006 Madrid, Spain



Synthesis, catalytic activity and redox properties of palladium(0) complexes with 15-membered triolefinic macrocyclic ligands containing one, two or three ferrocenyl groups

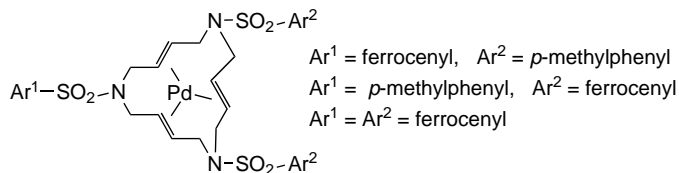
Tetrahedron Letters 43 (2002) 1425

Antoni Llobet,^a Ester Masllorens,^a Marcial Moreno-Mañas,^b Anna Pla-Quintana,^a Montserrat Rodríguez^a and Anna Roglans^{a,*}

^aDepartment of Chemistry, Universitat de Girona, Campus de Montilivi, 17071 Girona, Spain

^bDepartment of Chemistry, Universitat Autònoma de Barcelona, Cerdanyola, 08193 Barcelona, Spain

15-Membered triolefinic macrocycles containing one, two, and three ferrocenyl groups and their palladium(0) complexes have been synthesized and characterized. Catalytic and redox properties of these palladium complexes have been investigated.



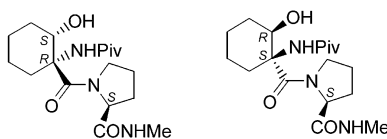
β -Turn modulation by the incorporation of c₆Ser into Xaa-Pro dipeptide

Tetrahedron Letters 43 (2002) 1429

Alberto Avenzo,^{a,*} Jesús H. Busto,^a Carlos Cativiela,^b Jesús M. Peregrina^{a,*} and Fernando Rodríguez^a

^aDepartamento de Química, Universidad de La Rioja, Grupo de Síntesis Química de La Rioja, U.A.-C.S.I.C., 26006 Logroño, Spain

^bDepartamento de Química Orgánica, Instituto de Ciencia de Materiales de Aragón, Universidad de Zaragoza-C.S.I.C., 50009 Zaragoza, Spain



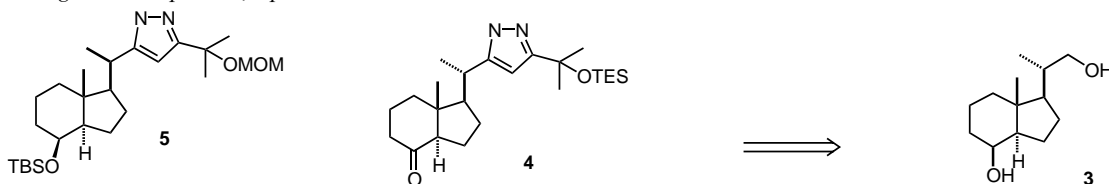
Vitamin D heterocyclic analogues. Part 1: A stereoselective route to CD systems with pyrazole rings in their side chains

Tetrahedron Letters 43 (2002) 1433

Yagamare Fall,^{a,*} Candida Barreiro,^a Carlos Fernández^a and Antonio Mouriño^b

^aDepartamento de Química Orgánica, Facultad de Ciencias, Universidad de Vigo, 36200 Vigo, Spain

^bDepartamento de Química Orgánica y Unidad Asociada al CSIC, Universidad de Santiago de Compostela, 15706 Santiago de Compostela, Spain

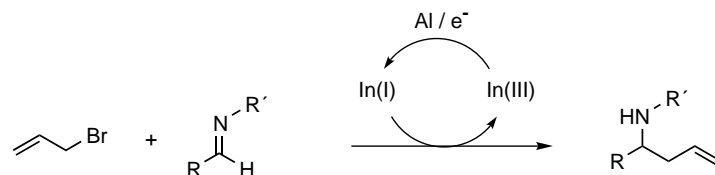


Indium-catalyzed allylation of imines with electrochemically assisted catalyst regeneration

Tetrahedron Letters 43 (2002) 1437

Gerhard Hilt,* Konstantin I. Smolko and Christoph Waloch

Department Chemie, Ludwig-Maximilians-Universität München, Butenandtstr. 5-13, 81377 Munich, Germany



Synthesis of strained glycophanes from D-glucal by oxidative homocoupling of propargyl ethers

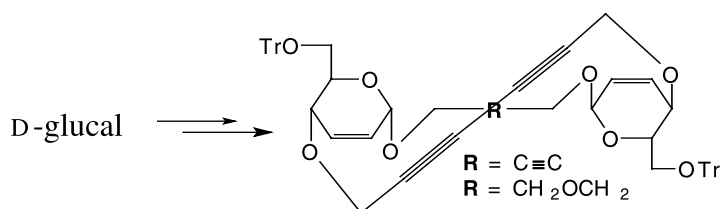
Tetrahedron Letters 43 (2002) 1441

Touria Belghiti,^a Jean-Pierre Joly,^{a,*} Claude Didierjean,^b Slimane Dahaoui^b and Yves Chapleur^a

^a*Groupe SUCRES, UMR 7565 CNRS, Université Henri Poincaré-Nancy I, BP 239, F-54506 Vandœuvre, France*

^b*LCM3B, UMR 7036 CNRS, Université Henri Poincaré-Nancy I, BP 239, F-54506 Vandœuvre, France*

22- and 23-membered glycophanes were synthesized by oxidative homocoupling of acetylenic precursors from D-glucal. Their structures were determined by spectroscopic methods including X-ray diffraction.



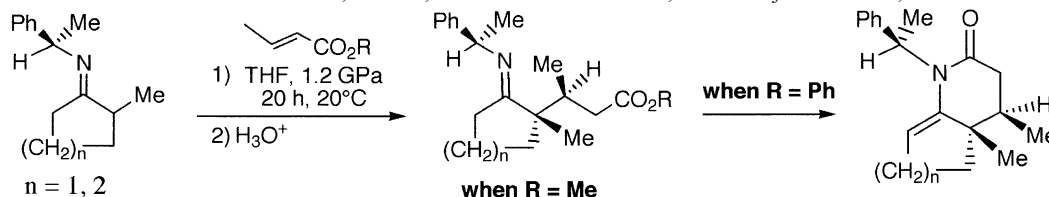
High pressure activation in the asymmetric Michael addition of chiral imines to alkyl and aryl crotonates

Tetrahedron Letters 43 (2002) 1445

Cheikhou Camara,^a Delphine Joseph,^a Françoise Dumas,^{a,*} Jean d'Angelo^a and Angèle Chiaroni^b

^a*Unité de Chimie Organique associée au CNRS, Université Paris-Sud, Centre d'Etudes Pharmaceutiques, 5, rue J.-B. Clément, 92296 Châtenay-Malabry, France*

^b*Institut de Chimie des Substances Naturelles, CNRS, Avenue de la Terrasse, 91198 Gif sur Yvette, France*



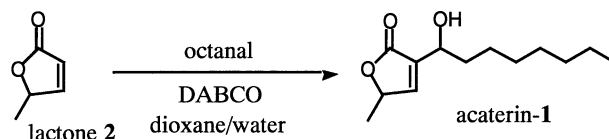
Synthesis of acaterin via a new application of the Baylis–Hillman reaction

Tetrahedron Letters 43 (2002) 1449

Xavier Franck* and Bruno Figadère*

Laboratoire de Pharmacognosie, associé au CNRS (BIOCIS), Université Paris-Sud, Faculté de Pharmacie, rue Jean-Baptiste Clément, 92296 Châtenay-Malabry, France

Acaterin was prepared via a Baylis–Hillman reaction between lactone **2** and octanal. This is the first example of a Baylis–Hillman reaction with α,β -unsaturated lactones.

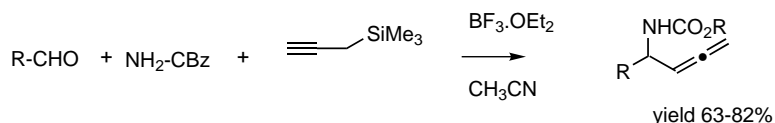


A convenient procedure for the preparation of α -aminoallenes using a three-component reaction of aldehyde, carbamate and propargylsilane

Tetrahedron Letters 43 (2002) 1453

Manuella Billet, Angèle Schoenfelder, Philippe Klotz and André Mann*

Laboratoire de Pharmacochimie de la Communication Cellulaire, UMR 7081, 74 route du Rhin, BP 24 F-67401 Illkirch, France



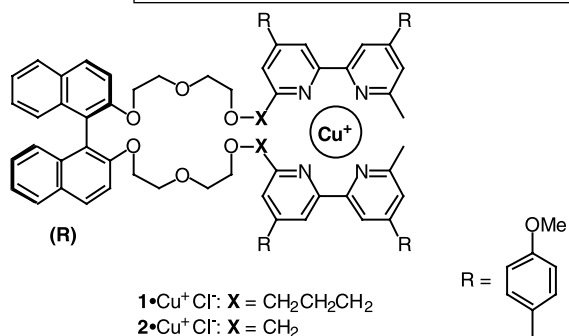
Regulation of tryptophan transport via allosteric recognition of a pseudocrown ether

Tetrahedron Letters 43 (2002) 1457

Tatsuya Nabeshima* and Akihiro Hashiguchi

Department of Chemistry, University of Tsukuba, Tsukuba, Ibaraki 305-8571, Japan

Positive allosterity was observed in the tryptophan transport by pseudocrown ether **1** containing Cu(I) as an effector.

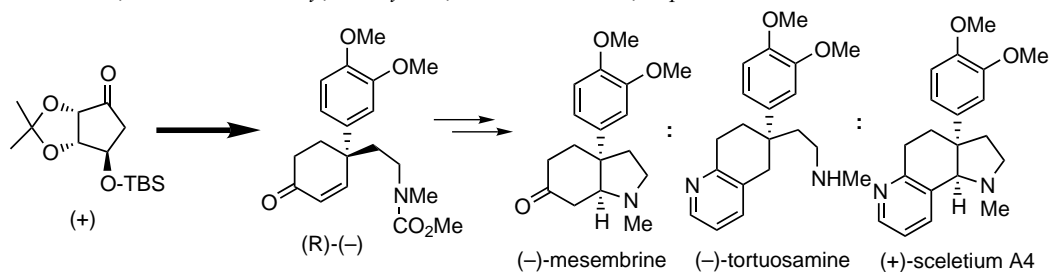


A new enantioselective route to the *Scaletium* alkaloids via a cyclopentanone–cyclohexenone transformation

Tetrahedron Letters 43 (2002) 1461

Masato Hayashi, Tomohiro Unno, Michiyasu Takahashi and Kunio Ogasawara*

Pharmaceutical Institute, Tohoku University, Aobayama, Sendai 980-8578, Japan

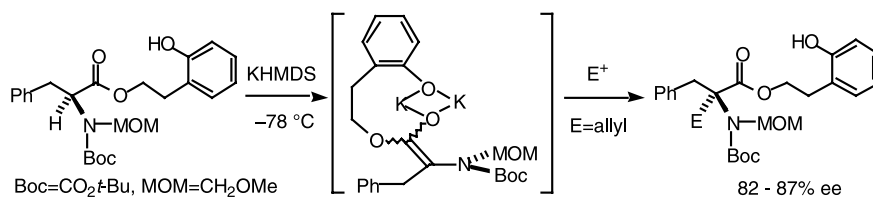


Enantioselective α -allylation of a phenylalanine derivative under the control of aggregation of a chiral nonracemic enolate

Tetrahedron Letters 43 (2002) 1465

Takeo Kawabata,* Shin-pei Kawakami and Kaoru Fuji*

Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan

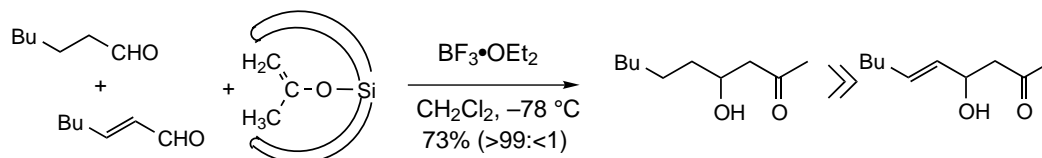


A highly chemoselective Mukaiyama aldol reaction of saturated aldehyde over unsaturated aldehyde with enol tris(2,6-diphenylbenzyl)silyl ether

Tetrahedron Letters 43 (2002) 1469

Seiji Shirakawa and Keiji Maruoka*

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



Secoorthosiphols A–C: three highly oxygenated secoisopimarane-type diterpenes from *Orthosiphon stamineus*

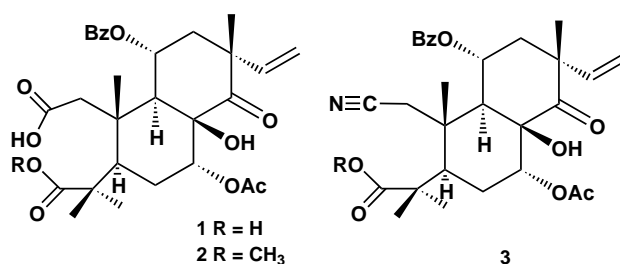
Tetrahedron Letters 43 (2002) 1473

Suresh Awale,^a Yasuhiro Tezuka,^a Seikichi Shimoji,^b Kazuhiko Taira^c and Shigetoshi Kadota^{a,*}

^a*Institute of Natural Medicine, Toyama Medical and Pharmaceutical University, 2630-Sugitani, Toyama 930-0194, Japan*

^b*Okinawa Health Food Development Cooperative, 1075 Tshako aza Sashiki, Okinawa 901-1414, Japan*

^c*Faculty of Education, University of the Ryukyus, 1-Senbaru, Nishihara-cho, Okinawa 903-0129, Japan*



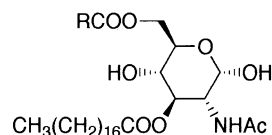
The isolation and synthesis of two novel *N*-acetyl glucosamine derivatives from *Dictyostelium* cellular slime molds which exhibit neurite outgrowth activity

Tetrahedron Letters 43 (2002) 1477

Haruhisa Kikuchi, Jun Komiya, Yoshinori Saito, Jun-ichi Sekiya, Shigeyoshi Honma, Norimichi Nakahata and Yoshiteru Oshima*

Graduate School of Pharmaceutical Sciences, Tohoku University, Aoba-yama, Aoba-ku, Sendai 980-8578, Japan

Dictyoglucosamine A (1) R = CH₃CH₂
Dictyoglucosamine B (2) R = (CH₃)₂CHCH₂

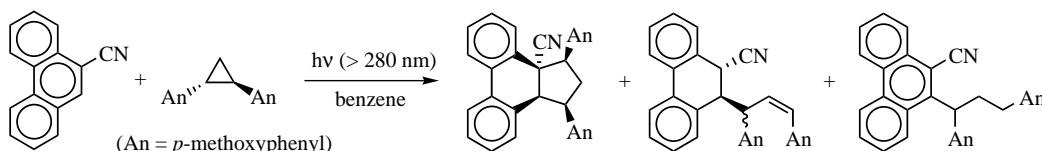


A novel photoreaction of 1,2-diarylcyclopropanes with 9-cyanophenanthrene: the formation of (3+2) photocycloadducts

Tetrahedron Letters 43 (2002) 1481

Hajime Maeda, Yasuo Miyata and Kazuhiko Mizuno*

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

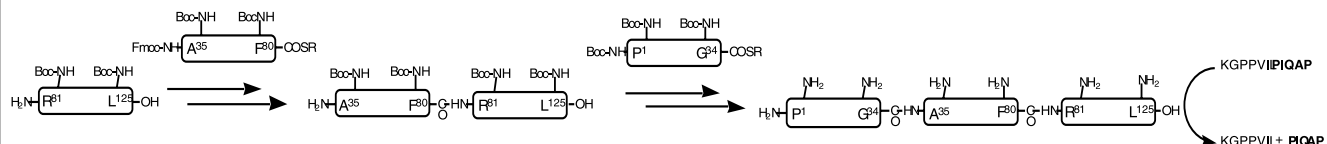


Total synthesis of [L40I, C90A, C109A]-human T-cell leukemia virus type 1 protease

Kenta Teruya, Toru Kawakami, Kenichi Akaji and Saburo Aimoto*

Institute for Protein Research, Osaka University, 3-2 Yamadaoka, Suita, Osaka 565, Japan

Tetrahedron Letters 43 (2002) 1487

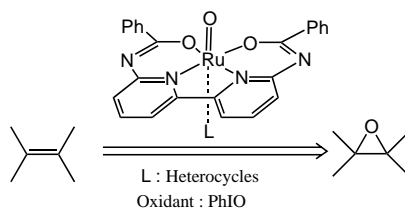


Epoxidation activities of mononuclear ruthenium-oxo complexes with a square planar 6,6'-bis(benzoylamino)-2,2'-bipyridine and axial ligands

Koichiro Jitsukawa,* Hiroyoshi Shiozaki and Hideki Masuda

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

Tetrahedron Letters 43 (2002) 1491

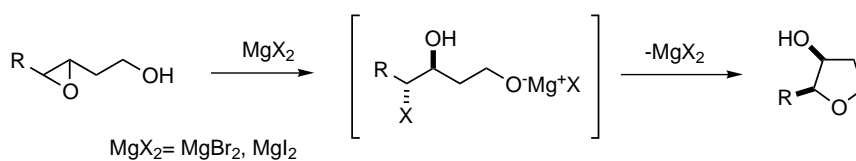


Synthesis of tetrahydrofurans by regio- and stereoselective cyclization of epoxyalcohols using magnesium halide

Michinori Karikomi,* Shigeru Watanabe, Yukino Kimura and Tadao Uyehara

Department of Applied Chemistry, Faculty of Engineering, Utsunomiya University, Yoto 7-1-2, Utsunomiya 321-8585, Japan

Tetrahedron Letters 43 (2002) 1495

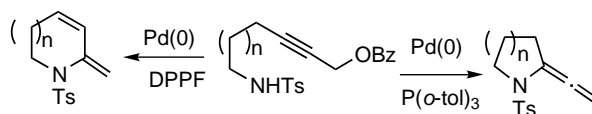


Synthesis of different ring-size heterocycles from the same propargyl alcohol derivative by ligand effect on Pd(0)

Yuji Kozawa and Miwako Mori*

Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo 060-0812, Japan

Tetrahedron Letters 43 (2002) 1499



Electroorganic synthesis under solvent-free conditions. Highly regioselective anodic monofluorination of cyclic ethers, lactones, and a cyclic carbonate

Masaru Hasegawa, Hideki Ishii and Toshio Fuchigami*

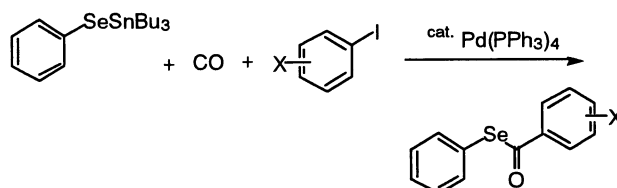
Department of Electronic Chemistry, Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama 226-8502, Japan



Synthesis of selenol esters: palladium-catalyzed coupling of phenyl tributylstannyl selenide with aryl iodides and carbon monoxide

Yutaka Nishiyama,* Keiji Tokunaga, Hiroaki Kawamatsu and Noboru Sonoda*

Department of Applied Chemistry, Faculty of Engineering, Kansai University, 3-3-35 Yamate Chou Suita, Osaka 564-8680, Japan



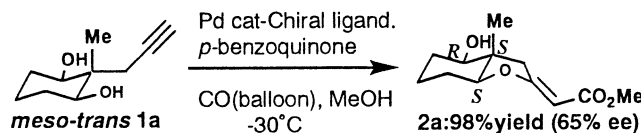
Asymmetric cyclization–carbonylation of cyclic-2-methyl-2- propargyl-1,3-diols

Keisuke Kato,^{a,*} Maki Tanaka,^a Yasuhiro Yamamoto^b and Hiroyuki Akita^{a,*}

^aSchool of Pharmaceutical Sciences, Toho University, 2-2-1 Miyama, Funabashi, Chiba 274-8510, Japan

^bDepartment of Chemistry, Faculty of Science, Toho University, 2-2-1 Miyama, Funabashi, Chiba 274-8510, Japan

Palladium-catalyzed asymmetric cyclization–methoxycarbonylation of cyclic-2-methyl-2-propargyl-1,3-diols **1** under mild conditions afforded (*E*)-bicyclic- β -alkoxyacrylates **2** in good yields with moderate enantioselectivity.

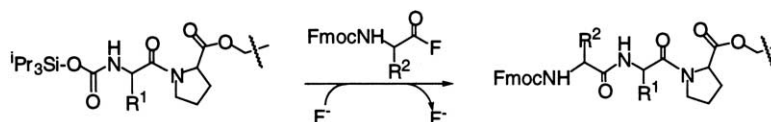


Combination of silyl carbamate and amino acid fluoride for solid-phase peptide synthesis

Kimitoshi Sakamoto,^a Yoshiaki Nakahara^{a,b} and Yukishige Ito^{a,*}

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

^bDepartment of Applied Biochemistry, Tokai University, Hiratsuka-shi, Kanagawa 259-1292, Japan

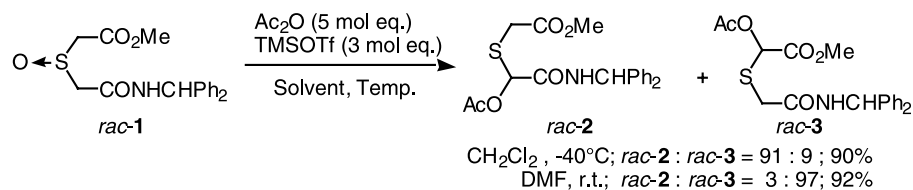


Highly chemoselective Pummerer reactions of sulfinyldiacetic acid derivative

Tetrahedron Letters 43 (2002) 1519

Yoshimitsu Nagao,* Satoshi Miyamoto, Kazuhiko Hayashi, Ado Mihira and Shigeki Sano

Faculty of Pharmaceutical Sciences, The University of Tokushima, Sho-machi, Tokushima 770-8505, Japan

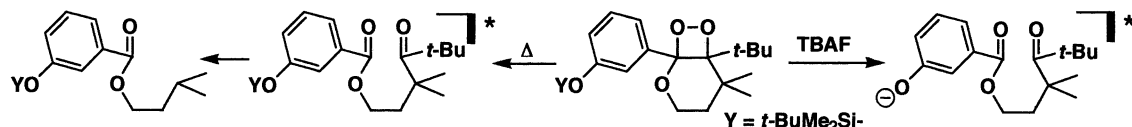


Synthesis of 1-(3-*tert*-butyldimethylsiloxy)phenyl-5,5-dimethyl-2,7,8-trioxabicyclo[4.2.0]octanes: new dioxetanes giving high chemiexcitation yields in thermolysis and in fluoride-induced CIEEL-decay

Tetrahedron Letters 43 (2002) 1523

Masakatsu Matsumoto,* Junko Murayama, Masao Nishiyama, Yasuko Mizoguchi, Toshimitsu Sakuma and Nobuko Watanabe

Department of Materials Science, Kanagawa University, Tsuchiya, Hiratsuka, Kanagawa 259-1205, Japan

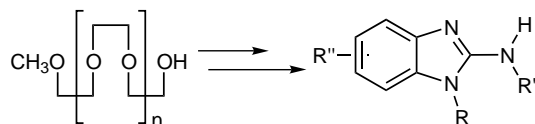


Soluble polymer-supported synthesis of 2-(arylamino)benzimidazoles

Tetrahedron Letters 43 (2002) 1529

Cheng-Yi Wu and Chung-Ming Sun*

Department of Chemistry, National Dong Hwa University, Shou-Feng, Hualien 974, Taiwan



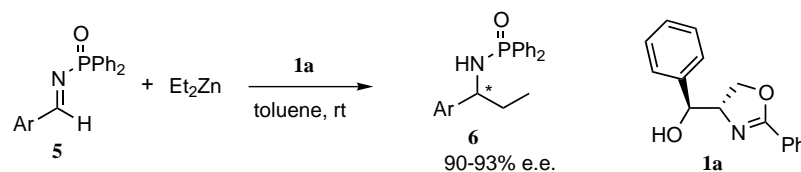
The first use of chiral oxazoline ligands in the highly enantioselective diethylzinc addition to diphenylphosphinoyl imines

Tetrahedron Letters 43 (2002) 1535

Xiaomei Zhang,^a Wenqing Lin,^a Liuzhu Gong,^{a,*} Aiqiao Mi,^{a,*} Xin Cui,^a Yaozhong Jiang,^a Michael C. K. Choi^b and Albert S. C. Chan^b

^aUnion Laboratory of Asymmetric Synthesis, Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, Chengdu 610041, China

^bOpen Laboratory of Chirotechnology and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China

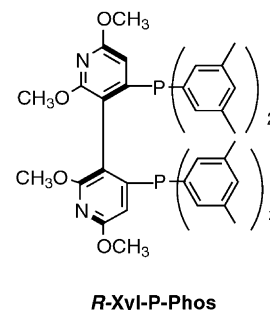
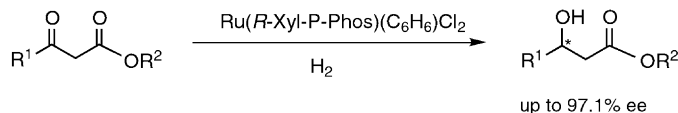


A new chiral dipyridylphosphine ligand Xyl-P-Phos and its application in the Ru-catalyzed asymmetric hydrogenation of β -ketoesters

Tetrahedron Letters 43 (2002) 1539

Jing Wu, Hua Chen, Wai Him Kwok, Kim Hung Lam, Zhong Yuan Zhou, Chi Hung Yeung* and Albert S. C. Chan*

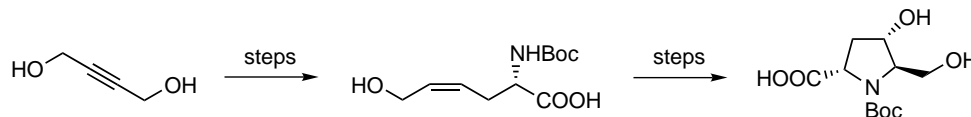
Open Laboratory of Chirotechnology of the Institute of Molecular Technology for Drug Discovery and Synthesis and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong



An efficient stereoselective synthesis of *Z*-(2*S*)- and *Z*-(2*R*)-2-*tert*-butoxycarbonylamino-6-hydroxyhex-4-enoic acid, key intermediates in the synthesis of (2*S*,4*S*,5*R*)-(-)- and (2*R*,4*R*,5*S*)-(+)-bulgecinine

Tetrahedron Letters 43 (2002) 1545

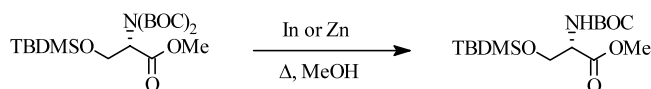
Karen E. Holt,* Jonathan P. Swift, Mark E. B. Smith, Stephen J. C. Taylor and Raymond McCague
Chirotech Technology Ltd., The Dow Chemical Company, Cambridge Science Park, Milton Road, Cambridge CB4 0WG, UK



Indium-mediated facile cleavage of the *t*-butoxycarbonyl group from di-*t*-butylimidodicarbonate

Tetrahedron Letters 43 (2002) 1549

J. S. Yadav,* B. V. S. Reddy, K. Srinivasa Reddy and K. Bhaskar Reddy
Organic Chemistry Division-I, Indian Institute of Chemical Technology, Hyderabad 500 007, India



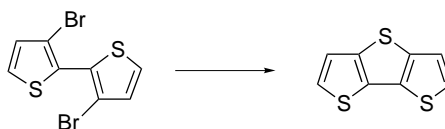
A convenient and improved synthesis of dithieno[3,2-*b*:2',3'-*d*]thiophene

Tetrahedron Letters 43 (2002) 1553

Fredrik Allared,^a Jonas Hellberg^{a,*} and Tommi Remonen^b

^a*Department of Organic Chemistry, Royal Institute of Technology, Teknikringen 56, S-100 44 Stockholm, Sweden*

^b*Acreo AB, Bredgatan 34, S-602 21 Norrköping, Sweden*



A mild and efficient method for cleavage of C=N using Mg(HSO₄)₂ in the presence of wet SiO₂

Tetrahedron Letters 43 (2002) 1555

F. Shirini,^{a,*} M. A. Zolfigol,^b B. Mallakpour,^a S. E. Mallakpour,^c A. R. Hajipour^c and I. M. Baltork^d

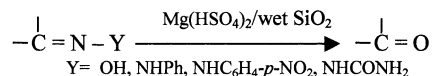
^aDepartment of Chemistry, Faculty of Science, Guilan University, Rasht, Iran

^bDepartment of Chemistry, Faculty of Science, Bu-Ali Sina University, Hamadan, Iran

^cOrganic Polymer Chemistry Research Laboratory, College of Chemistry, Isfahan University of Technology, Isfahan, Iran

^dDepartment of Chemistry, Isfahan University, Isfahan, Iran

An efficient and convenient conversion of oximes, hydrazones and semicarbazones to the corresponding carbonyl compounds with Mg(HSO₄)₂ in the presence of wet SiO₂ is reported.



Direct Cu(I)-catalysed coupling of a carborane to a meso-tetraphenylporphyrin

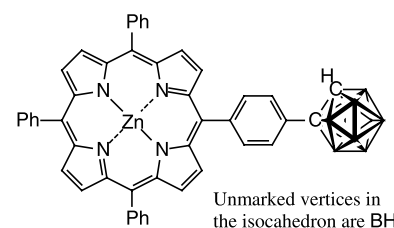
Tetrahedron Letters 43 (2002) 1557

Christophe Frixia,^a Mary F. Mahon,^b Andrew S. Thompson^a and Michael D. Threadgill^{a,*}

^aDepartment of Pharmacy & Pharmacology, University of Bath, Bath BA2 7AY, UK

^bDepartment of Chemistry, University of Bath, Bath BA2 7AY, UK

Coupling of Cu-carborane with iodo-TPPZn gives the carboranylporphyrin.

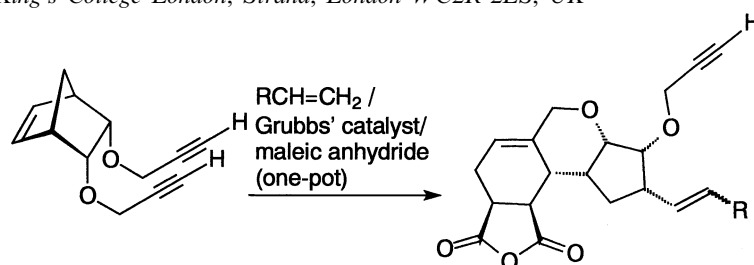


Totally atom economical tandem-metathesis and Diels-Alder approach to polycyclic compounds

Tetrahedron Letters 43 (2002) 1561

Donatella Banti and Michael North*

Department of Chemistry, King's College London, Strand, London WC2R 2LS, UK

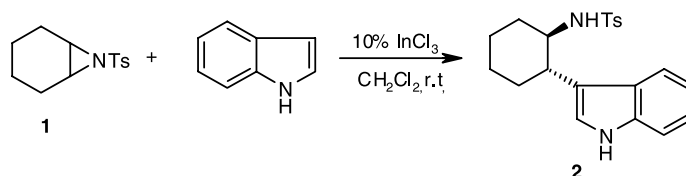


InCl₃-catalyzed regioselective opening of aziridines with heteroaromatics

Tetrahedron Letters 43 (2002) 1565

J. S. Yadav,* B. V. S. Reddy, Sunny Abraham and G. Sabitha

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



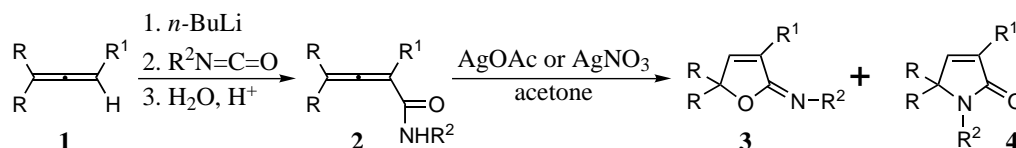
Synthesis and Ag⁺-catalyzed cyclization of 2,3-dienamides

Tetrahedron Letters 43 (2002) 1569

Nina A. Nedolya,^a Nataly I. Schlyakhtina,^a Valentina P. Zinov'eva,^a
Alexander I. Albanov^a and Lambert Brandsma^{b,*}

^a*A. E. Favorsky Irkutsk Institute of Chemistry of the Russian Academy of Sciences, Siberian Branch, Favorsky Street 1, 664033 Irkutsk, Russia*

^b*Julianalaan 273, 3722 GN Bilthoven, The Netherlands*

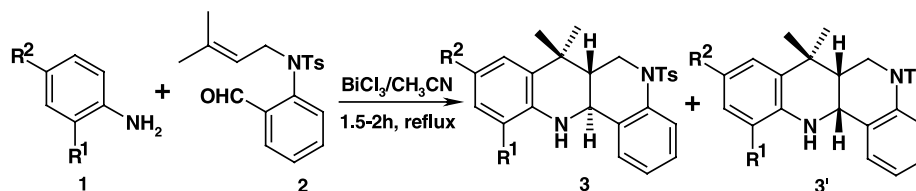


Bismuth(III) chloride-catalyzed intramolecular hetero-Diels–Alder reactions: a novel synthesis of hexahydrodibenzo[*b,h*][1,6]-naphthyridines

Tetrahedron Letters 43 (2002) 1573

Gowravaram Sabitha,* E. Venkata Reddy, Ch. Maruthi and J. S. Yadav

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

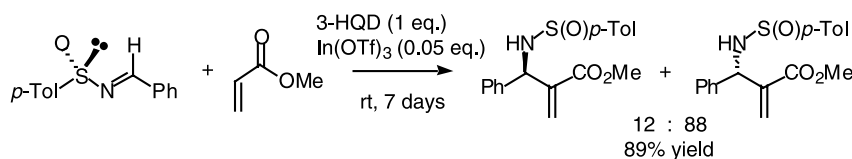


The use of enantiomerically pure *N*-sulfinimines in asymmetric Baylis–Hillman reactions

Tetrahedron Letters 43 (2002) 1577

Varinder K. Aggarwal,* Ana M. Martin Castro, Andrea Mereu and Harry Adams

Department of Chemistry, University of Sheffield, Sheffield S3 7HF, UK



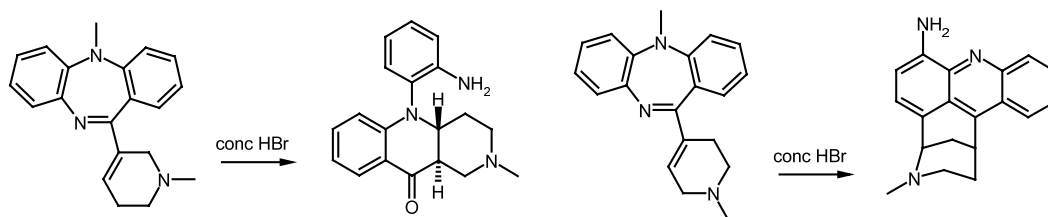
11-(Tetrahydro-3 and 4-pyridinyl)dibenzo[*b,e*][1,4]diazepines undergo novel rearrangements on treatment with concentrated HBr

Tetrahedron Letters 43 (2002) 1583

James Cairns,^a Thomas R. Clarkson,^{a,*} Johan A. M. Hamersma^b and Duncan R. Rae^a

^a*Medicinal Chemistry Department, Research and Development, Organon Laboratories Ltd, Newhouse, Lanarkshire ML1 5SH, UK*

^b*Medicinal Chemistry Department, Organon, Oss, The Netherlands*



Convenient synthesis of disulfide substrates for trypanothione reductase using polymer-supported reagents

Tetrahedron Letters 43 (2002) 1587

Kelly Chibale,^{a,*} Alex Chipeleme^a and Stuart Warren^b

^aDepartment of Chemistry, University of Cape Town, Rondebosch 7701, South Africa

^bDepartment of Chemistry, University of Cambridge, Lensfield Road, Cambridge CB2 1EW, UK

Coupling of the cystine derivative with **1** using polymer-supported reagents gave disulfides in high yields.

