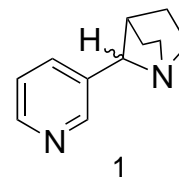
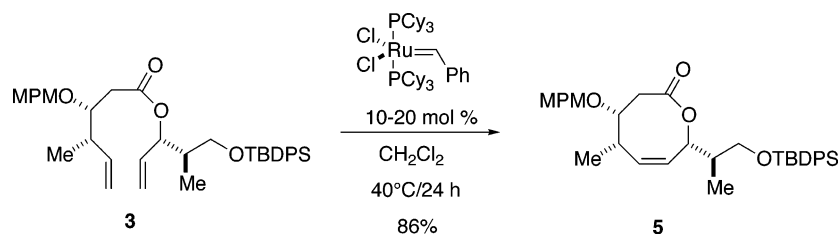


Asymmetric synthesis of (+)- and (-)-7-(3-pyridyl)-1-azabicyclo[2.2.1]heptane as conformationally restricted analogues of nicotine*Tetrahedron Letters 43 (2002) 177*

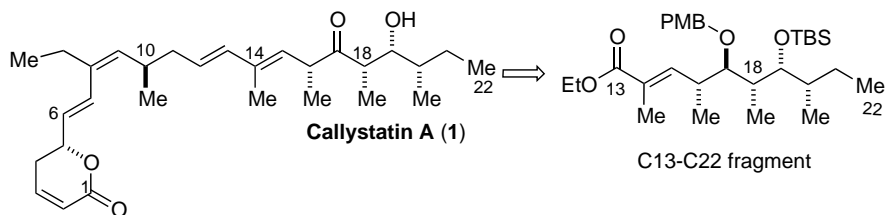
Thomas Ullrich,* Dieter Binder and Michael Pyerin

*Laboratory of Medicinal Chemistry, Institute of Organic Chemistry, Vienna University of Technology, Getreidemarkt 9/154, A-1060 Vienna, Austria*Both enantiomers of the conformationally restricted nicotine analogue 7-(3-pyridyl)-1-azabicyclo[2.2.1]heptane (**1**) were prepared in a convenient, asymmetric synthetic route.**Total synthesis of octalactin A via ring-closing metathesis reaction***Tetrahedron Letters 43 (2002) 181*

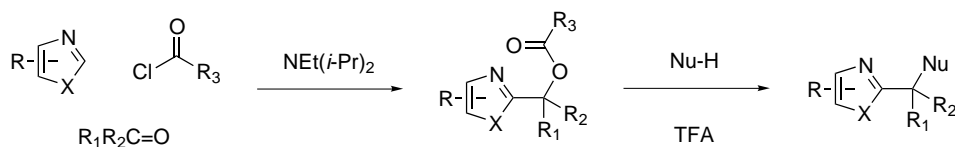
Keith R. Buszek,* Nagaaki Sato and Youngmee Jeong

Department of Chemistry, Kansas State University, Manhattan, KS 66506-3701, USA**Synthesis of C13–C22 fragment of the marine sponge polyketide callystatin A***Tetrahedron Letters 43 (2002) 185*

Luiz C. Dias* and Paulo R. R. Meira

Instituto de Química, Universidade Estadual de Campinas/UNICAMP CP 6154, 13083-970, Campinas, SP, Brazil**The synthesis of 2-substituted azoles through a one-pot three-component reaction***Tetrahedron Letters 43 (2002) 189*

Yijun Deng and Dennis J. Hlasta*

Drug Discovery, The R. W. Johnson Pharmaceutical Research Institute, Welsh and McKean Roads, Spring House, PA 19477-0776, USA

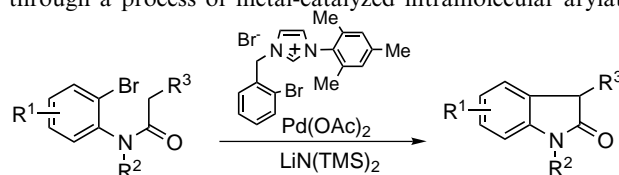
A novel imidazol-2-ylidene as a ligand for palladium-catalyzed synthesis of oxyindoles from *o*-haloanilides

Tetrahedron Letters 43 (2002) 193

Tony Y. Zhang* and Hongbin Zhang

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

Oxyindoles were formed in good yields from 2-bromo- or chloroanilides in the presence of a base and a novel palladium imidazol-2-ylidene complex, through a process of metal-catalyzed intramolecular arylation of amide enolates.

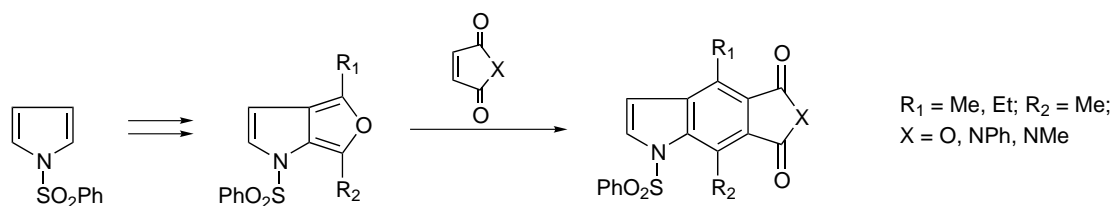


Synthesis and Diels–Alder reactions of the furo[3,4-*b*]pyrrole ring system. A new indole ring synthesis

Tetrahedron Letters 43 (2002) 197

Nikolai V. Moskalev and Gordon W. Gribble*

Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

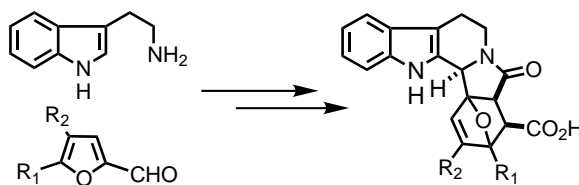


Tandem *N*-acyliminium/Pictet–Spengler/intramolecular Diels–Alder reaction: an expedient route to hexacyclic tetrahydro- β -carbolines

Tetrahedron Letters 43 (2002) 203

K. Paulvannan,* Ron Hale, Rachel Mesis and Tao Chen

Affymax Research Institute, 3410 Central Expressway, Santa Clara, CA 95051, USA



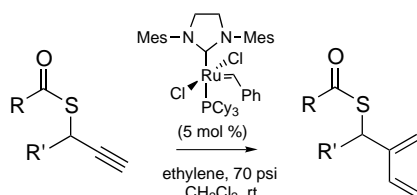
Ethylene metathesis of sulfur-containing alkynes

Tetrahedron Letters 43 (2002) 209

Jason A. Smulik, Anthony J. Giessert and Steven T. Diver*

Department of Chemistry, University at Buffalo, the State University of New York, Buffalo, NY 14260-3000, USA

Enyne metathesis of sulfur-containing alkynes and ethylene has been achieved with the second generation Grubbs catalyst. High yields were obtained by choice of the thiol ester protecting group in the alkyne partner.

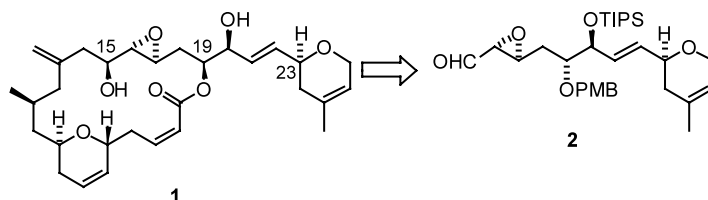


An improved synthesis of the C15–C28 fragment of laulimalide

A. Sivaramakrishnan, Geoffry T. Nadolski, Ian A. McAlexander and Bradley S. Davidson*

Department of Chemistry and Biochemistry, Utah State University, 0300 Old Main Hill, Logan, UT 84322-0300, USA

Tetrahedron Letters 43 (2002) 213



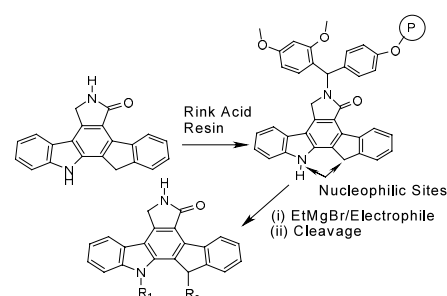
Construction of a kinase inhibitor library via parallel synthesis

Rabindranath Tripathy,* Keith S. Learn, Dandu R. Reddy, Mohamed Iqbal, Jasbir Singh and John P. Mallamo

Medicinal Chemistry Department, Cephalon Inc., 145 Brandywine Parkway, West Chester, PA 19380, USA

An immobilized indenopyrrolocarbazole template has been used to generate a library of possible kinase inhibitors via solid-phase anion chemistry.

Tetrahedron Letters 43 (2002) 217



Synthesis of the napalilactone and pathylactone A spirocyclic skeleton

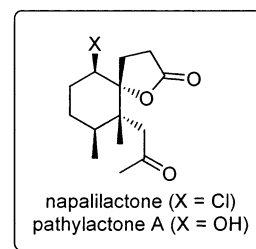
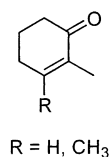
James R. Vyvyan,^{a,*} Courtney A. Rubens^a and Jason A. Halfen^b

^aDepartment of Chemistry, Western Washington University, Bellingham, WA 98225-9150, USA

^bDepartment of Chemistry, University of Wisconsin-Eau Claire, Eau Claire, WI 54701, USA

The spirocyclic core of napalilactone and pathylactone A was synthesized in five steps from 2-methylcyclohex-2-enone or 2,3-dimethylcyclohex-2-enone.

Tetrahedron Letters 43 (2002) 221

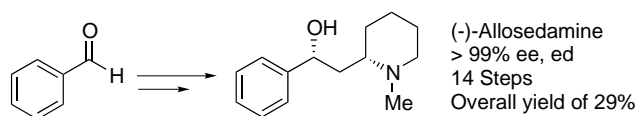


Enantiospecific and stereoselective synthesis of (-)-allosedamine

François-Xavier Felpin and Jacques Lebreton*

Laboratoire de Synthèse Organique, CNRS UMR 6513, Faculté des Sciences et des Techniques, 2 rue de la Houssinière, BP 92208, 44322 Nantes Cedex 3, France

Tetrahedron Letters 43 (2002) 225

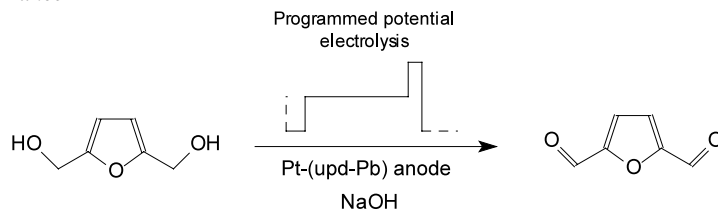


Electrosynthesis of furan-2,5-dicarbaldehyde by programmed potential electrolysis

Tetrahedron Letters 43 (2002) 229

K. B. Kokoh and E. M. Belgsir*

Laboratoire de Catalyse en Chimie Organique, UMR 6503 CNRS, Université de Poitiers, 40, avenue du Recteur Pineau, F-86022 Poitiers Cedex, France

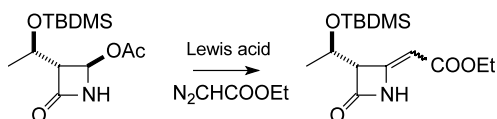


Synthesis of novel 4-(1-ethoxycarbonyl-methylidene)-azetidin-2-ones via a Lewis acid-catalyzed reaction of ethyl diazoacetate

Tetrahedron Letters 43 (2002) 233

Gianfranco Cainelli,* Paola Galletti, Massimo Gazzano, Daria Giacomini* and Arianna Quintavalla

Department of Chemistry 'G. Ciamician', University of Bologna and CSFM (C.N.R.), Via Selmi 2, Bologna 40126, Italy



Rearrangement of 1-O-(thio-p-nitrobenzoyl)thiocarbonyl galactoside: a novel access to α -thioglycoside derivatives

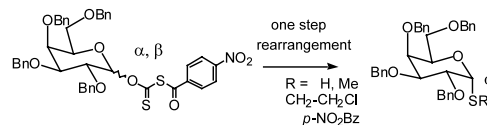
Tetrahedron Letters 43 (2002) 237

Solen Josse,^a Julien Le Gal,^a Muriel Pipelier,^a Jeannine Cléopax,^b Alain Olesker,^b Jean-Paul Pradère^a and Didier Dubreuil^{a,*}

^aLaboratoire de Synthèse Organique associé au CNRS, UMR 6513, Faculté des Sciences et des Techniques, 2, rue de la Houssinière, BP 92208, F-44322 Nantes Cedex 3, France

^bInstitut de Chimie des Substances Naturelles, CNRS, Avenue de la Terrasse, F-91198 Gif-sur-Yvette, France

The synthesis of α -galactosides, thiolate, thioester and thioalkyl, is described by direct *S*-glycosylation process from 1-*O*-(thio-*p*-nitrobenzoyl)thiocarbonyl D-galactoside derivatives. Three new anomeric groups have been presented as novel potential glycoside activators: *O*-(thio-*p*-nitrobenzoyl)thiocarbonyl, *O*-(imidazolyl)thiocarbonyl and *S*-thio-*p*-nitrobenzoyl.



Reactivity of 1,1'-thiocarbonyldiimidazole with glycosides: a novel and efficient glycosidic activation

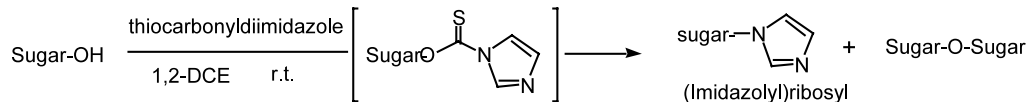
Tetrahedron Letters 43 (2002) 241

Solen Josse,^a Julien Le Gal,^a Muriel Pipelier,^a Jean-Paul Pradère,^a Rachid Benhida^b and Didier Dubreuil^{a,*}

^aLaboratoire de Synthèse Organique associé au CNRS, UMR 6513, Faculté des Sciences et des Techniques, 2, rue de la Houssinière, BP 92208, F-44322 Nantes Cedex 3, France

^bLaboratoire de Chimie Bioorganique UMR 6001, Université de Nice-Sophia Antipolis-Parc Valrose, F-06108 Nice Cedex 2, France

The synthesis of monoglycosyl imidazoles and 1,1'-diglycosides is described by direct glycosylation process from reducing sugar in the presence of 1,1'-thiocarbonyldiimidazole. Novel anomeric groups, like 1-imidazolyl)thiocarbonyl and 1-imidazolyl)carbonyl, have been presented as potential novel osidic activators.



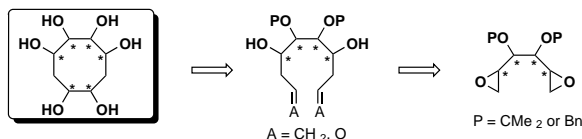
Efficient route to optically pure polyfunctionalized cyclooctanes

Tetrahedron Letters 43 (2002) 245

Christine Gravier-Pelletier, Olivia Andriuzzi and Yves Le Merrer*

Université René Descartes, Laboratoire de Chimie et Biochimie Pharmacologiques et Toxicologiques, UMR 8601 CNRS, 45, rue des Saints-Pères, 75270 Paris Cedex 06, France

The key cyclization step involves the metathesis of 1,9-diene or the pinacolic coupling of 1,8-dialdehyde, each of them being easily available from D-mannitol. The influence of a conformationally restricted diene compared to that of a flexible one has been evaluated.

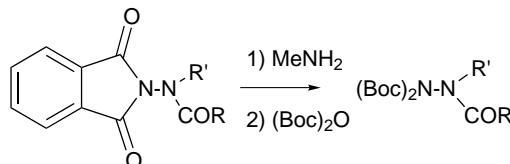


Very efficient one-pot conversion of *N*-aminophthalimide derivatives into the corresponding *N*-amino-di-*tert*-butyl imidodicarbonates

Tetrahedron Letters 43 (2002) 249

Nicolas Brosse and Brigitte Jamart-Grégoire*

Lab. Chimie organique MAEM UMR mixte CNRS-UHP no. 7567, Faculté des Sciences, Université H. Poincaré Nancy I, Bld des Aiguillettes BP 239, F-54506 Vandoeuvre-lès-Nancy Cedex, France

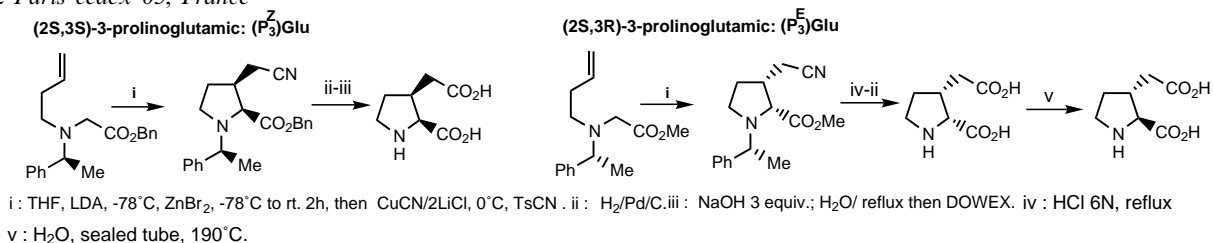


Short asymmetric synthesis of (2*S*,3*S*)- and (2*S*,3*R*)-3-prolinoglutamic acids: 2-carboxy-3-pyrrolidine-acetic acids (CPAA)

Tetrahedron Letters 43 (2002) 253

Philippe Karoyan* and Gérard Chassaing

UMR 7613, 'Structure et Fonction de Molécules Bioactives', Université Paris VI, case 182, 4 place Jussieu, 75252 Paris cedex 05, France

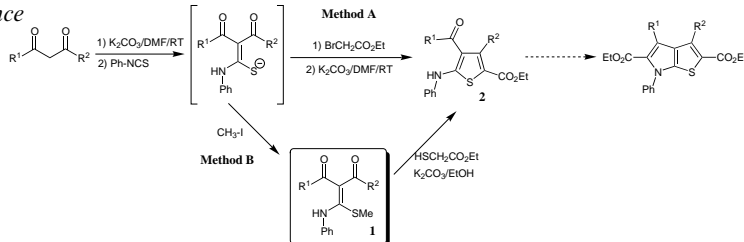


An improved method for the synthesis of aminothiophenes precursors of thieno[2,3-*b*]pyrrole

Tetrahedron Letters 43 (2002) 257

Geoffroy Sommen, Alain Comel and Gilbert Kirsch*

Laboratoire d'Ingénierie Moléculaire et de Biochimie Pharmacologique, Faculté des Sciences, Ile du Saucy, 57045 Metz Cedex 1, France



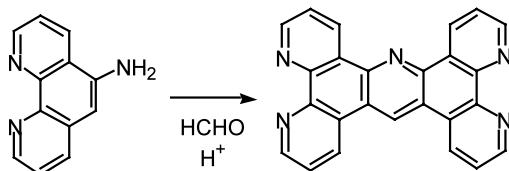
Tetrapyrido[3,2-*a*:2',3'-*c*:3'',2''-*h*:2''',3'''-*j*]acridine (tpac): a new extended polycyclic bis-phenanthroline ligand

Tetrahedron Letters 43 (2002) 261

Martine Demeunynck,^{a,*} Cécile Moucheron^{b,*} and Andrée Kirsch-De Mesmaeker^b

^aLEDSS, CNRS/Université Joseph Fourier, BP 53, F-38041 Grenoble Cédex 9, France

^bUniversité Libre de Bruxelles, Chimie Organique et Photochimie CP 160/08, av. F. D. Roosevelt 50, B-1050 Brussels, Belgium



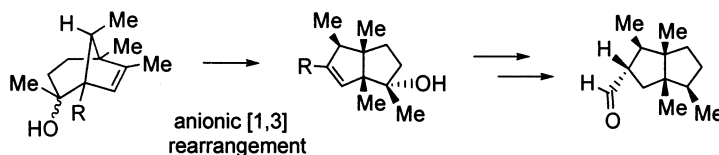
A novel method for the synthesis of diquinanes based on anionic [1,3] rearrangement of bicyclo[3.2.1]oct-6-en-2-ols

Tetrahedron Letters 43 (2002) 265

Hiroki Hashimoto,^a Yasuhiko Abe,^a Yasuyoshi Mayuzumi,^a Michinori Karikomi,^a Katsura Seki,^{b,*} Kazuo Haga^a and Tadao Uyehara^a

^aDepartment of Applied Chemistry, Faculty of Engineering, Utsunomiya University, Utsunomiya 321-8585, Japan

^bCenter for Instrumental Analysis, Utsunomiya University, Utsunomiya 321-8585, Japan

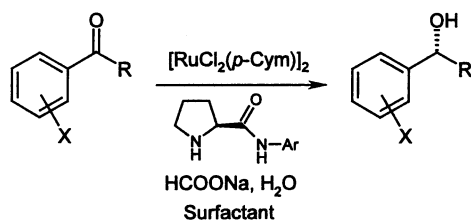


Use of surfactants in water-soluble ruthenium(II) complex-catalyzed asymmetric hydrogen-transfer reduction of aromatic ketones

Tetrahedron Letters 43 (2002) 269

Hae Yoon Rhyoo, Hee-Jung Park, Won Hyuk Suh and Young Keun Chung*

School of Chemistry and Center for Molecular Catalysis, Seoul National University, Seoul 151-747, South Korea

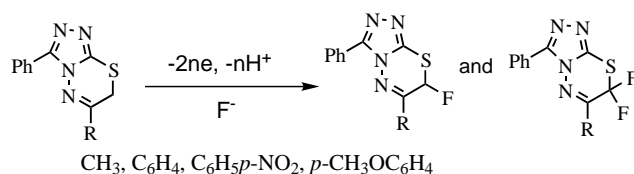


Electrolytic partial fluorination of organic compounds. Part 56: Highly regioselective anodic mono- and difluorination of *s*-triazolo-[3,4-*b*][1,3,4]thiadiazine derivatives

Tetrahedron Letters 43 (2002) 273

Mohamed R. Shaaban and Toshio Fuchigami*

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



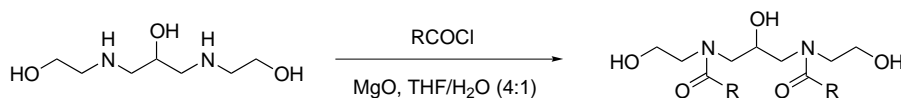
Chemoselective *N*-acylation of amino alcohols promoted by magnesium oxide in aqueous organic solution

Tetrahedron Letters 43 (2002) 277

Duck-Hee Kim,^a Ho-Sik Rho,^b Jae Won You^b and Jong Chan Lee^{a,*}

^aDepartment of Chemistry, Chung-Ang University, Seoul 156-756, South Korea

^bDepartment of Applied Skin Biology Institute, Pacific Corporation, Kyonggi-do 449-900, South Korea



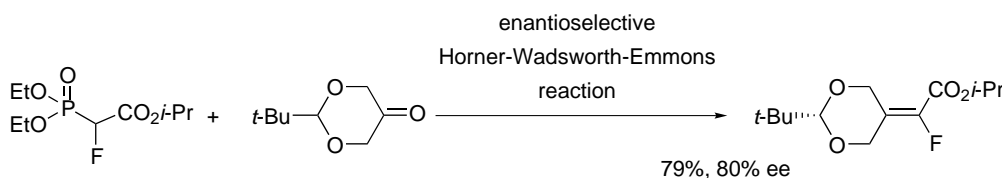
Enantioselective Horner–Wadsworth–Emmons reaction for the asymmetric synthesis of α -fluoro- α,β -unsaturated esters

Tetrahedron Letters 43 (2002) 281

Shigeki Sano,^a Kenji Yokoyama,^a Rie Teranishi,^a Motoo Shiro^b and Yoshimitsu Nagao^{a,*}

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

^bRigaku Corporation, 3-9-12 Matsubara-cho, Akishima-shi, Tokyo 196-8666, Japan



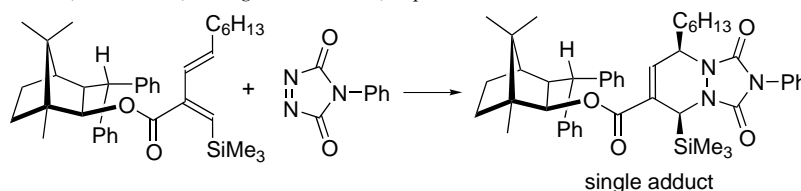
Chiral 1,3-butadiene-2-carboxylates for an efficient asymmetric Diels–Alder reaction

Tetrahedron Letters 43 (2002) 285

Hirokazu Urabe,^a Keiko Kusaka,^b Daisuke Suzuki^b and Fumie Sato^{b,*}

^aDepartment of Biological Information, Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa 226-8501, Japan

^bDepartment of Biomolecular Engineering, Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama, Kanagawa 226-8501, Japan



The first direct synthesis of α -mangostin, a potent inhibitor of the acidic sphingomyelinase

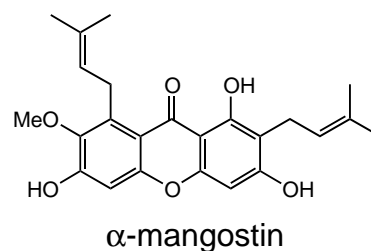
Tetrahedron Letters 43 (2002) 291

Kazuhiko Iikubo,^a Yuichi Ishikawa,^a Noritaka Ando,^b

Kazuo Umezawa^b and Shigeru Nishiyama^{a,*}

^aDepartment of Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi 3-14-1, Kohoku-ku, 223-8522 Yokohama, Japan

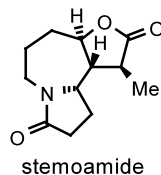
^bDepartment of Applied Chemistry, Faculty of Science and Technology, Keio University, Hiyoshi 3-14-1, Kohoku-ku, 223-8522 Yokohama, Japan



Carbohydrate based formal synthesis of stemoamide using ring-closing metathesis

Mukund K. Gurjar* and Dandepally Srinivasa Reddy

National Chemical Laboratory, Pune 411 008, India



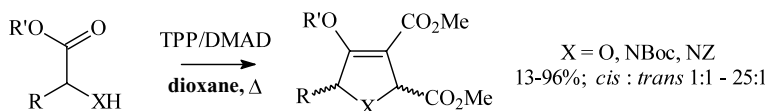
Tetrahedron Letters 43 (2002) 295

Intramolecular Wittig reactions with esters utilising triphenylphosphine and dimethyl acetylenedicarboxylate

Lyndsay A. Evans, Kimberley E. Griffiths, Holger Guthmann and Patrick J. Murphy*

Department of Chemistry, University of Wales, Bangor, Gwynedd LL57 2UW, UK

The intramolecular Wittig olefination of α -hydroxy- and α -amino esters has been effected in high yield using a combination of triphenylphosphine and dimethyl acetylenedicarboxylate.



A D-glucose selective fluorescent assay

Susumu Arimori, Christopher J. Ward and Tony D. James*

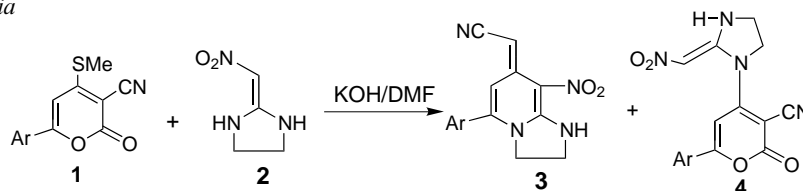
Department of Chemistry, University of Bath, Bath BA2 7AY, UK

Tetrahedron Letters 43 (2002) 303

An expeditious synthesis of imidazo[1,2-a]pyridines through nucleophile induced ring transformation reactions of 6-aryl-4-methylsulfanyl-2H-pyran-2-one-3-carbonitriles

Vishnu Ji Ram,* Nidhi Agarwal, Ashoke Sharon and Prakas R. Maulik

Medicinal Chemistry Division and Molecular and Structural Biology Division, Central Drug Research Institute, Lucknow 226001, India



Tetrahedron Letters 43 (2002) 307

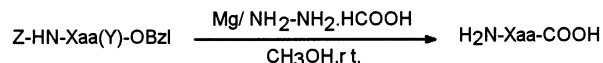
Magnesium/hydrazinium monoformate: a new hydrogenation method for removal of some commonly used protecting groups in peptide synthesis

Tetrahedron Letters 43 (2002) 311

D. Channe Gowda*

Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore, Karnataka 570 006, India

Hydrogenolysable groups of protected amino acids and peptides are conveniently deblocked using hydrazinium monoformate and magnesium, a new hydrogenation method in the field of catalytic transfer hydrogenation at room temperature.



Xaa = amino acid or peptide derivative;

Y = Z, 2 ClZ, - BrZ, Bom, OBzl, NO₂, OcHx, or 2,6-Cl₂Bzl

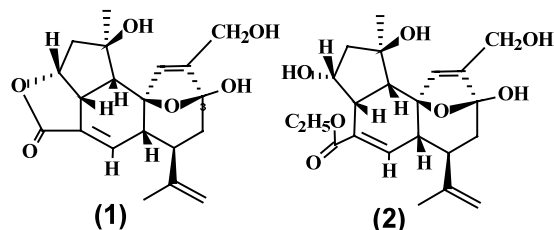
New diterpenoids from the far-eastern gorgonian coral *Plumarella* sp.

Tetrahedron Letters 43 (2002) 315

Valentin A. Stonik,* Irina I. Kapustina, Anatoly I. Kalinovsky, Pavel S. Dmitrenok and Boris B. Grebnev

Pacific Institute of Bioorganic Chemistry of the Russian Academy of Sciences, Vladivostok-22, Russia

Two new cytotoxic diterpenoids, plumarellide (1) and the ethyl ester of plumarellic acid (2), were isolated from the alcoholic extract of the gorgonian coral *Plumarella* sp. and their structures were established by NMR, EIMS, MALDI TOF MS, IR and UV spectroscopy.



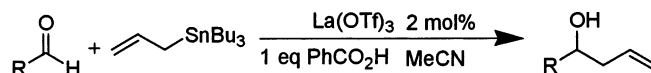
Lanthanum triflate-catalysed allylation of aldehydes: crucial activation by benzoic acid

Tetrahedron Letters 43 (2002) 319

Helen C. Aspinall,^a James S. Bissett,^a Nicholas Greeves^{a,*} and Daniel Levin^b

^a*Department of Chemistry, Donnan and Robert Robinson Laboratories, The University of Liverpool, Crown Street, Liverpool L69 7ZD, UK*

^b*AstraZeneca, Silk Road Business Park, Charter Way, Macclesfield, Cheshire SK10 2NA, UK*



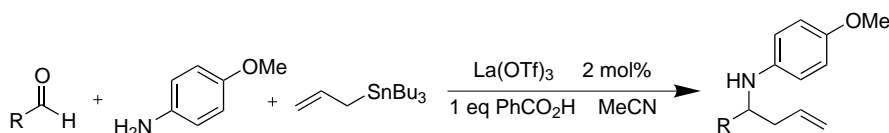
Three component synthesis of homoallylic amines. Efficient catalysis by lanthanum triflate/benzoic acid

Tetrahedron Letters 43 (2002) 323

Helen C. Aspinall,^a James S. Bissett,^a Nicholas Greeves^{a,*} and Daniel Levin^b

^a*Department of Chemistry, Donnan and Robert Robinson Laboratories, The University of Liverpool, Crown Street, Liverpool L69 7ZD, UK*

^b*AstraZeneca, Silk Road Business Park, Charter Way, Macclesfield, Cheshire SK10 2NA, UK*



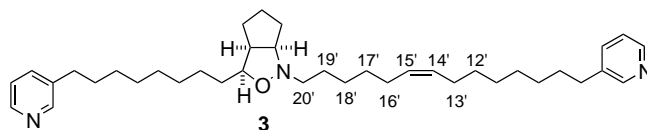
Synthesis of a possible structure of pyrinodemin A

Tetrahedron Letters 43 (2002) 327

Stuart P. Romeril, Victor Lee, Timothy D. W. Claridge and Jack E. Baldwin*

The Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, UK

The synthesis of structure **3** is described.

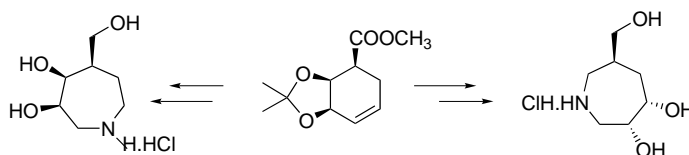


A norbornyl route to some novel seven-membered iminocyclitols

Tetrahedron Letters 43 (2002) 331

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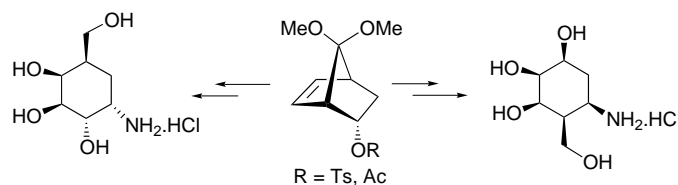


A norbornyl route to aminocyclohexitols: syntheses of diverse aminocarbasugars and 'confused' aminocarbasugars

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Chloroperoxidase-catalyzed oxidation of conjugated dienoic esters

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