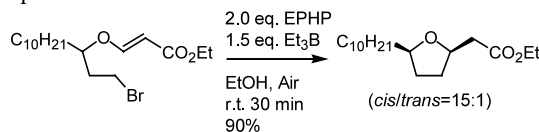


β -Alkoxyacrylate radical cyclization mediated by hypophosphite and triethylborane in ethanol

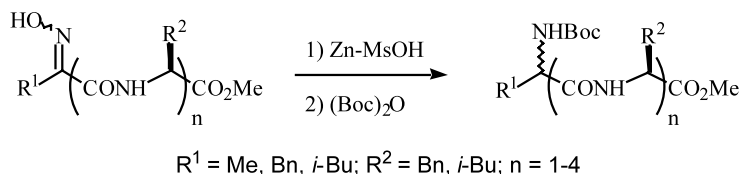
Tetrahedron Letters 43 (2002) 7295

Eun Lee* and Hee Oon Han

*School of Chemistry and Molecular Engineering, Seoul National University, Shinrimdong, Gwanakku, Seoul 151-747, Republic of Korea*Radical cyclization of β -alkoxyacrylates proceeds efficiently in the presence of 1-ethylpiperidinium hypophosphite and triethylborane in ethanol at room temperature.**Stereoselective reduction of *N*-hydroxy- α -iminocarbonyl-oligopeptide methyl esters with Zn–MsOH**

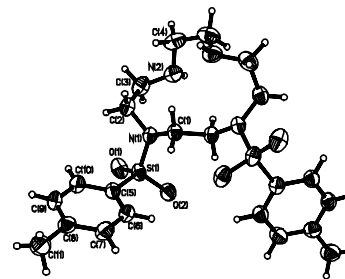
Tetrahedron Letters 43 (2002) 7297

Naoki Kise,* Shuji Takaoka, Masahiro Yamauchi and Nasuo Ueda

Department of Biotechnology, Faculty of Engineering, Tottori University, Koyama, Tottori 680-8552, Japan**1,4-Bis-(4-toluenesulphonyl)-1,4,7,10-tetraazacyclododecane from the direct tosylation of 1,4,7,10-tetraazacyclododecane**

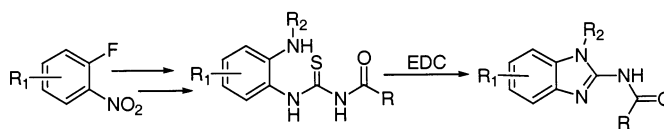
Tetrahedron Letters 43 (2002) 7301

Jonathan P. Hill,* Christopher E. Anson and Annie K. Powell

*Institut für Anorganische Chemie, Universität Karlsruhe, Engesserstr. 15, Geb. 30.45, D-76128 Karlsruhe, Germany*The reaction between 1,4,7,10-tetraazacyclododecane and *p*-toluenesulphonyl chloride in triethylamine/chloroform unexpectedly yields both disubstituted isomers of bis-(4-toluenesulphonyl)-1,4,7,10-tetraazacyclododecane.**Efficient solution phase synthesis of 2-(*N*-acyl)-aminobenzimidazoles**

Tetrahedron Letters 43 (2002) 7303

Punit P. Seth,* Dale E. Robinson, Elizabeth A. Jefferson and Eric E. Swayze

Ibis Therapeutics, A Division of Isis Pharmaceuticals, Inc., 2292 Faraday Avenue, Carlsbad, CA 92008, USA

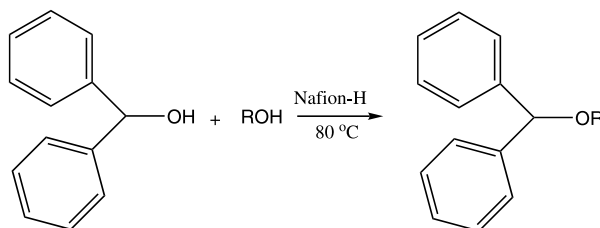
Nafion-catalyzed preparation of benzhydryl ethers

Tetrahedron Letters 43 (2002) 7307

Marina A. Stanescu and Rajender S. Varma*

Clean Processes Branch, National Management Research Laboratory, US Environmental Protection Agency, MS 443, 26 W. Martin Luther King Drive, Cincinnati, OH 45268, USA

An efficient preparation of diphenylmethyl (DPM) ethers of alcohols is described in the presence of a recyclable solid acid, Nafion-H.



A novel self-assembled supramolecular architecture involving cation, anion and a calix[4]arene heteroditopic receptor

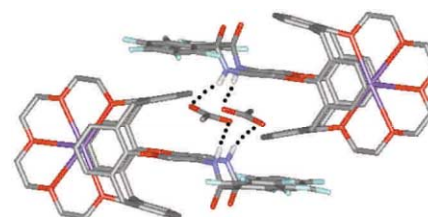
Tetrahedron Letters 43 (2002) 7311

Alessandro Casnati,^{a,*} Chiara Massera,^b Nicola Pelizzi,^a Ivan Stibor,^c Evgueni Pinkassik,^c Franco Ugozzoli^{b,*} and Rocco Ungaro^a

^aDip.to di Chimica Organica e Industriale, Università di Parma, Parco Area delle Scienze 17/a, I-43100 Parma, Italy

^bDip.to di Chimica Gen. e Inorg., Chimica Analitica, Chimica Fisica, Università di Parma, Parco Area delle Scienze 17/a, I-43100 Parma, Italy

^cInst. of Chemical Technology, Dept. of Organic Chemistry, Technicka 5, CR-16628 Prague, Czech Republic



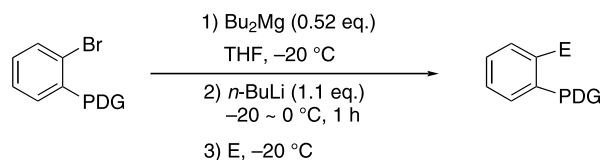
The heteroditopic calixarene receptor **1** binds simultaneously potassium cation and acetate anion and self-assembles in a dimeric superstructure held together by anion-ligand hydrogen-bonding.

Non-cryogenic metalation of aryl bromides bearing proton donating groups: formation of a stable magnesio-intermediate

Tetrahedron Letters 43 (2002) 7315

Shinji Kato,* Nobuaki Nonoyama, Koji Tomimoto and Toshiaki Mase

Process Research, Process R&D, Laboratories for Technology Development, Banyu Pharmaceutical Co. Ltd., Kamimutsuna 3-Chome-9-1, Okazaki, Aichi 444-0858, Japan



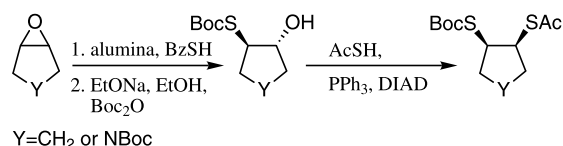
PDG: Proton donating group

A practical synthesis of differentially-protected *cis*-1,2-cyclopentanedithiols and *cis*-3,4-pyrrolidinedithiols

Tetrahedron Letters 43 (2002) 7319

Yonghao Jin, Mohammad A. Ghaffari and Martin A. Schwartz*

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

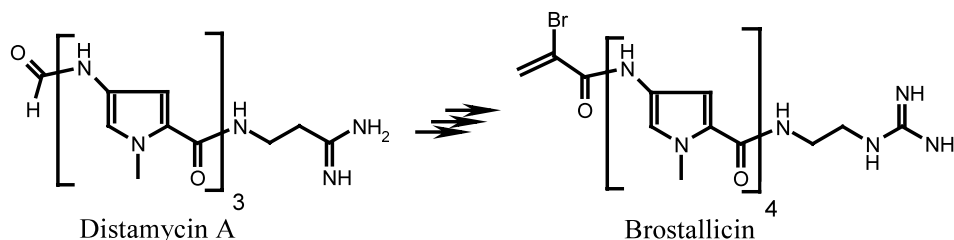


Syntheses of brostallicin starting from distamycin A

Tetrahedron Letters 43 (2002) 7323

Italo Beria* and Marcella Nesi

Department of Chemistry, Pharmacia, Discovery Research Oncology, Viale Pasteur, 10-20014 Nerviano (Mi), Italy



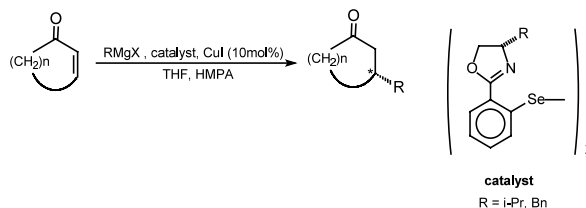
Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones

Tetrahedron Letters 43 (2002) 7329

Antonio L. Braga,^{a,*} Sandra J. N. Silva,^a Diogo S. Lütke,^a Roberta L. Drekenner,^a Claudio C. Silveira,^a Joao B. T. Rocha^a and Ludger A. Wessjohann^b

^aDepartamento de Química, Universidade Federal de Santa Maria, CEP-97105-900 Santa Maria, RS, Brazil

^bInstitute of Plant Biochemistry, Weinberg 3, D-06120 Halle (Saale), Germany

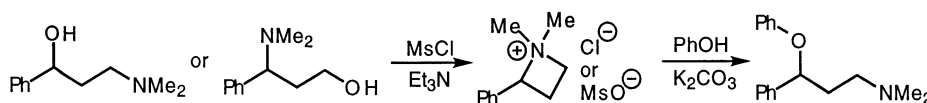


An azetidinium ion approach to 3-aryloxy-3-aryl-1-propanamines

Tetrahedron Letters 43 (2002) 7333

Peter O'Brien,* David W. Phillips and Timothy D. Towers

Department of Chemistry, University of York, Heslington, York YO10 5DD, UK

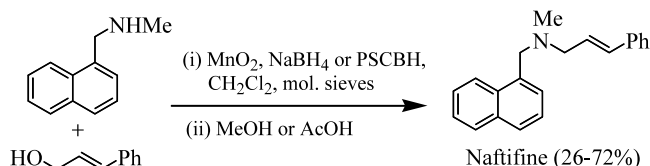


A one-pot oxidation–imine formation–reduction route from alcohols to amines using manganese dioxide–sodium borohydride: the synthesis of naftifine

Tetrahedron Letters 43 (2002) 7337

Hisashi Kanno and Richard J. K. Taylor*

Department of Chemistry, University of York, Heslington, York YO10 5DD, UK



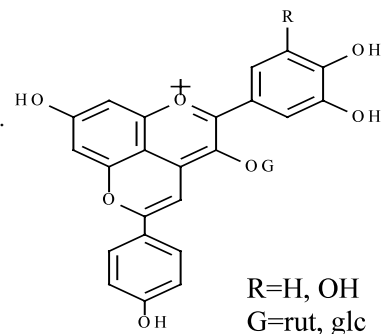
New pyranoanthocyanins from blackcurrant seeds

Tetrahedron Letters 43 (2002) 7341

Yinrong Lu,* L. Yeap Foo and Yan Sun

Industrial Research Limited, PO Box 31310, Lower Hutt, New Zealand

Four new pyranoanthocyanins were isolated from blackcurrant seed residues and their structures elucidated by NMR spectroscopy and confirmed by chemical synthesis.



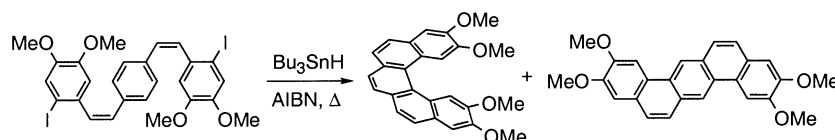
[5]Helicenes by tandem radical cyclisation

Tetrahedron Letters 43 (2002) 7345

David C. Harrowven,^{a,*} Michael I. T. Nunn^a and David R. Fenwick^b

^aDepartment of Chemistry, The University of Southampton, Southampton SO17 1BJ, UK

^bDiscovery Chemistry, Pfizer Global Research and Development, Sandwich, Kent CT13 9NJ, UK



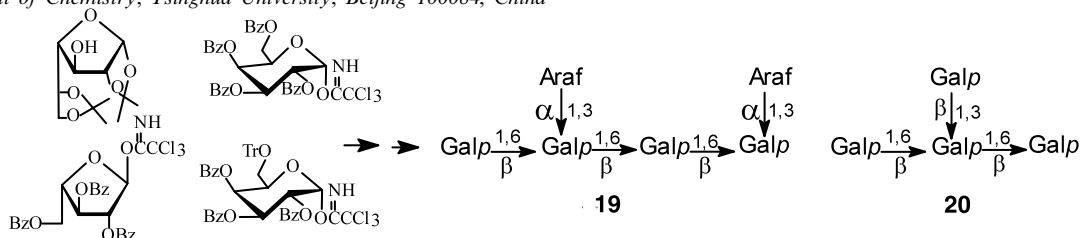
A simple approach to 3,6-branched galacto-oligosaccharides and its application to the syntheses of a tetrasaccharide and a hexasaccharide related to the arabinogalactans (AGs)

Tetrahedron Letters 43 (2002) 7349

Jun Ning,^{a,*} Hairong Wang^b and Yuetao Yi^a

^aResearch Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China

^bDepartment of Chemistry, Tsinghua University, Beijing 100084, China



Facile and efficient synthesis of fluoroalkyl aryl ethers

Tetrahedron Letters 43 (2002) 7353

Ahmed Kamal,* T. B. Pratap, K. Venkata Ramana, A. V. Ramana and

A. Hari Babu

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

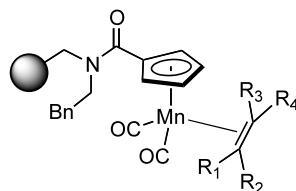


Synthesis of cyclopentadienylmanganese tricarbonyl resins as potential olefin traceless supports

Tetrahedron Letters 43 (2002) 7357

Zongren Zhang and Salvatore D. Lepore*

Department of Chemistry, Florida Atlantic University, Boca Raton, FL 33431-0991, USA

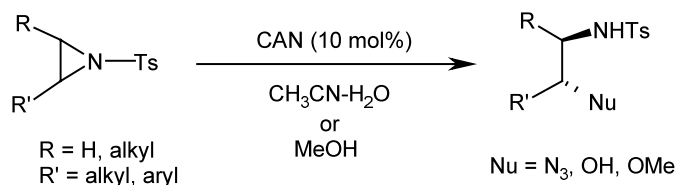


Ceric ammonium nitrate (CAN) catalyzed ring cleavage of *N*-tosyl aziridines: a potential tool for solution phase library generation

Tetrahedron Letters 43 (2002) 7361

S. Chandrasekhar,* Ch. Narsihmulu and S. Shameem Sultana

Indian Institute of Chemical Technology, Hyderabad 500 007, India

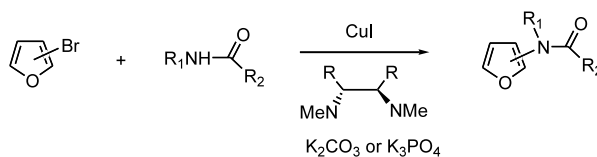


Copper-catalyzed amidations of bromo substituted furans and thiophenes

Tetrahedron Letters 43 (2002) 7365

Kenneth R. Crawford and Albert Padwa*

Department of Chemistry, Emory University, Atlanta, GA 30322, USA



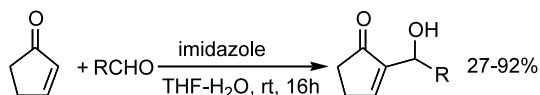
Aqueous Baylis–Hillman reactions of cyclopent-2-enone using imidazole as catalyst

Tetrahedron Letters 43 (2002) 7369

Sanzhong Luo,^a Baolian Zhang,^a Jiaqi He,^a Adam Janczuk,^b Peng G. Wang^b and Jin-Pei Cheng^{a,*}

^aDepartment of Chemistry, Nankai University, Tianjin 300071, China

^bDepartment of Chemistry, Wayne State University, Detroit, MI 48202, USA

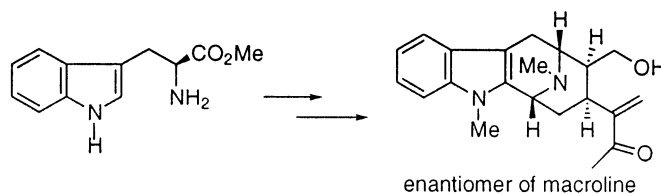


Enantiospecific total synthesis of the enantiomer of the indole alkaloid intermediate macroline

Tetrahedron Letters 43 (2002) 7373

Xiaoxiang Liu, Chunchun Zhang, Xuebin Liao and James M. Cook*

Department of Chemistry, University of Wisconsin-Milwaukee, PO Box 413, 3210 N. Cramer Street, Milwaukee, WI 53211, USA



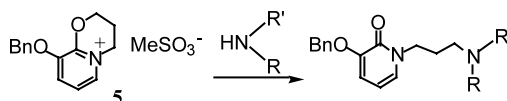
New methodology for the preparation of 3-hydroxy-2-pyridinone (3,2-HOPO) chelators—reaction of amines with a novel electrophilic 3,2-HOPO precursor

Tetrahedron Letters 43 (2002) 7379

Timothy N. Lambert, Sumathi Chittamuru, Hollie K. Jacobs and Aravamudan S. Gopalan*

Department of Chemistry and Biochemistry, MSC 3C, New Mexico State University, Las Cruces, NM 88003-8001, USA

The reactions of primary and secondary amines with the new electrophilic mesylate salt **5** have been investigated and found to be useful for the synthesis of a variety of HOPO derivatives.

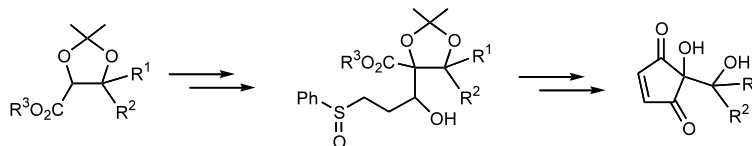


Synthesis of (±)-dehydropentenomycin and analogues

Tetrahedron Letters 43 (2002) 7385

Manat Pohmakotr,* Thiti Junpirom, Supatara Popuang, Patoomratana Tuchinda and Vichai Reutrakul

Department of Chemistry, Faculty of Science, Mahidol University, Rama 6 Road, Bangkok 10400, Thailand



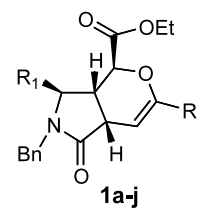
Synthesis of densely functionalized pyrrolidinone templates by an intramolecular oxo-Diels–Alder reaction

Tetrahedron Letters 43 (2002) 7389

William V. Murray,* Pranab K. Mishra, Sengen Sun and Amy Maden

Johnson & Johnson Pharmaceutical Research and Development LLC, 1000 Route 202, Raritan, NJ 08869, USA

A series of highly functionalized pyrrolidinones was prepared by an intramolecular oxo-Diels–Alder reaction and further elaborated to hydroxy ketones by enol ether hydrolysis.



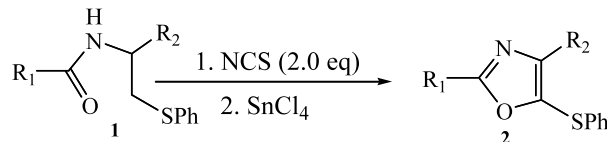
Pummerer reaction methodology for the synthesis of 5-thiophenyl substituted oxazoles

Tetrahedron Letters 43 (2002) 7393

Jennifer D. Kreisberg, Philip Magnus* and Shirin Shinde

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

Treatment of **1** with NCS, followed by SnCl₄ results in the formation of 5-thiophenyl oxazoles **2**.



Glucosamine-based phosphines. Efficient ligands in the Suzuki cross-coupling reaction in water

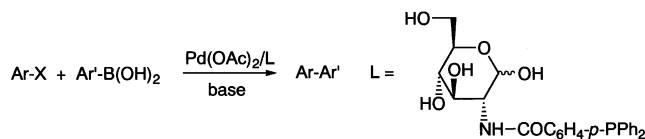
Tetrahedron Letters 43 (2002) 7397

Sophie Parisot,^a Robert Kolodziuk,^a Catherine Goux-Henry,^a Alexander Iourtchenko^{a,b} and Denis Sinou^{a,*}

^aLaboratoire de Synthèse Asymétrique, associé au CNRS, Université Claude Bernard Lyon 1, CPE Lyon, 43, boulevard du 11 novembre 1918, 69622 Villeurbanne cedex, France

^bInstitute of Organic Chemistry, National Academy of Sciences of Ukraine, Murmanskya Str. 5, 02094 Kiev 94, Ukraine

Glucosamine-based phosphines efficiently catalyzed the Suzuki reaction in water, the recycling of the catalyst being possible.

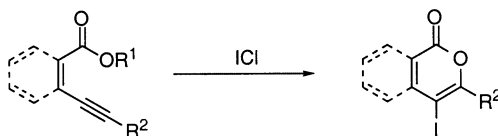


Synthesis of isocoumarins and α -pyrones via iodocyclization

Tetrahedron Letters 43 (2002) 7401

Tuanli Yao and Richard C. Larock*

Department of Chemistry, Iowa State University, 2751 Gilman Hall, Ames, IA 50011, USA

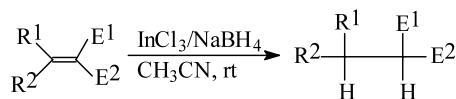


Use of indium hydride (Cl₂InH) for chemoselective reduction of the carbon-carbon double bond in conjugated alkenes

Tetrahedron Letters 43 (2002) 7405

Brindaban C. Ranu* and Sampak Samanta

Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700 032, India

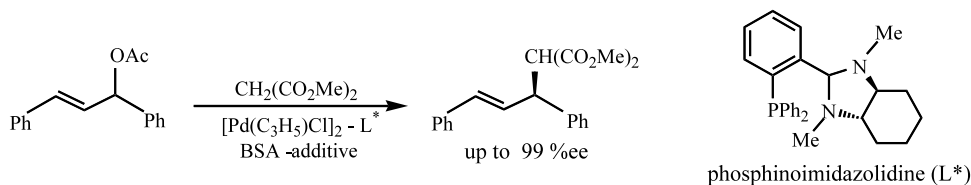


New chiral phosphinoimidazolidine ligand in palladium-catalyzed asymmetric allylic substitution

Tetrahedron Letters 43 (2002) 7409

Myung-Jong Jin,* Sang-Han Kim, Sang-Joon Lee and Young-Mok Kim

School of Chemical Science & Engineering, Inha University, Incheon 402-751, Republic of Korea



Nitration of thiacalix[4]arene derivatives

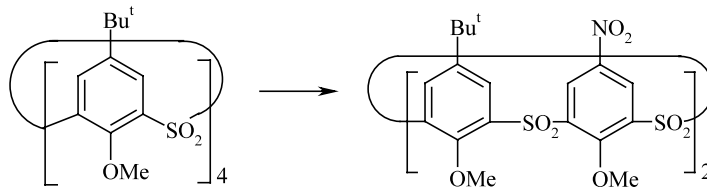
Tetrahedron Letters 43 (2002) 7413

Pavel Lhoták,^{a,*} Jiri Svoboda, Jr.,^a Ivan Stibor^a and Jan Sykora^b

^aDepartment of Organic Chemistry, Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic

^bInstitute of Chemical Process Fundamentals, Czech Academy of Sciences, Rozvojova 135, 165 02 Prague 6, Czech Republic

Thiacalix[4]arene derivatives were nitrated for the first time via the *ipso*-nitration of the corresponding *tert*-butylsulfones using 100% HNO_3 in CF_3COOH . Appropriate mono- and dinitro-derivatives are thus accessible which opens the way for subsequent derivatisation of the thiacalix[4]arene upper rim.



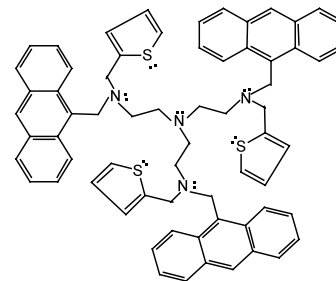
Cerium ion-induced fluorescence enhancement of a tripodal fluoroionophore

Tetrahedron Letters 43 (2002) 7419

Pradyut Ghosh,* Atindra D. Shukla and Amitava Das*

Central Salt & Marine Chemicals Research Institute, G B Marg, Bhavnagar 364002, Gujarat, India

A new tripodal ligand shows selective fluorescence enhancement in the presence of Ce^{3+} .



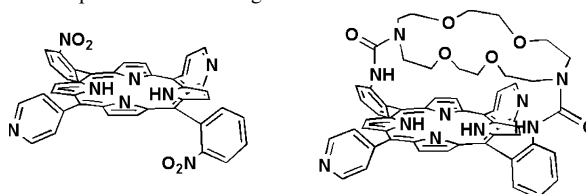
Synthesis of a new bis-pyridyl crown-capped porphyrin

Tetrahedron Letters 43 (2002) 7423

Christian Ruzié, Lydie Michaudet and Bernard Boitrel*

Institut de Chimie, UMR CNRS 6509, Université de Rennes 1, Campus de Beaulieu, Av. du général Leclerc, 35042 Rennes Cedex, France

The synthesis of a new porphyrin bearing both two pyridyl residues and two *ortho*-nitrophenyl groups in *meso* position is reported. The reduction of the nitro functions provide the points of anchoring for a crown ether maintained in a cofacial conformation.



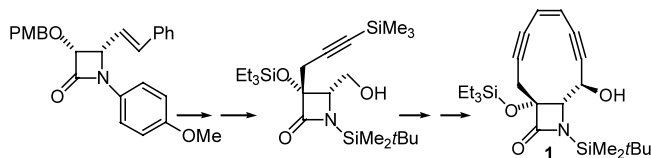
Synthesis of a new lactenediayne scaffold equipped with three handles

Tetrahedron Letters 43 (2002) 7427

Luca Banfi* and Giuseppe Guanti*

Dipartimento di Chimica e Chimica Industriale, via Dodecaneso 31, I-16146 Genova, Italy

The new lactenediayne scaffold **1** was synthesized. It is characterized by the presence of three handles to be used for preparing libraries of compounds possessing a tethered nucleophile, an activating substituent, and DNA-complexing substructures.



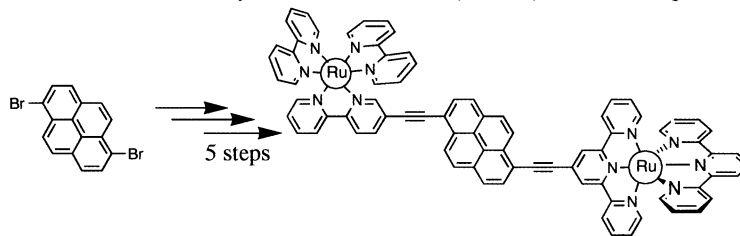
Stepwise construction of pyrene bridged polytopic ligands carrying acetylenic tethers

Tetrahedron Letters 43 (2002) 7431

Abderrahim Khatyr and Raymond Ziessel*

Laboratoire de Chimie Moléculaire associé au CNRS, Ecole de Chimie, Polymère et Matériaux (ECPM), 25 rue Becquerel, 67087 Strasbourg, Cedex 02, France

The access to various bipyridine and terpyridine ligands bearing disubstituted pyrene is described. The use of ruthenium-synthons in palladium-promoted cross-coupling reactions is evaluated.



An unexpected participation of oxygen in a novel synthesis of [2,2'-bi-1H-indene]-3,3'-dialkyl-3,3'-dihydroxy-1,1'-diones

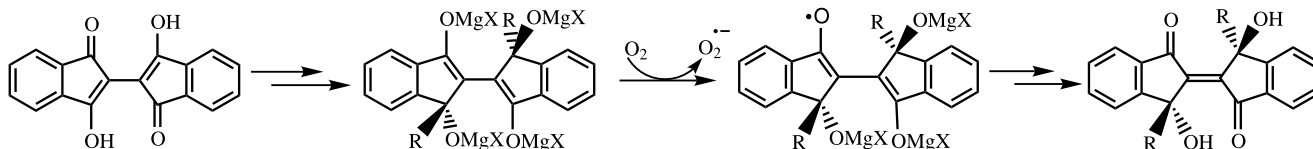
Tetrahedron Letters 43 (2002) 7435

Lili Xu,^a Huaming Huang,^a Zhiyi Song,^a Jiben Meng^{a,*} and Teruo Matsuura^b

^aDepartment of Chemistry, Nankai University, Tianjin 300071, PR China

^bEmeritus Professor, Kyoto University, 21-26 Kawashima-Gondencho, Saikyoku, Kyoto 615-8195, Japan

A series of biindenylidenedione derivatives has been synthesized. A plausible mechanism is proposed including the oxygenation of the Grignard reaction intermediate, just as the hydroquinone dianion behaves when oxygenated in the air.



Stereoselective reduction of enamminones to *syn* γ -aminoalcohols

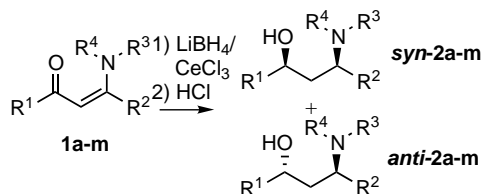
Tetrahedron Letters 43 (2002) 7441

Giuseppe Bartoli,^a Giovanna Cupone,^b Renato Dalpozzo,^b

Antonio De Nino,^{b,*} Loredana Maiuolo,^b Antonio Procopio^b and Antonio Tagarelli^b

^aDipartimento di Chimica Organica 'A. Mangini', Università di Bologna, viale Risorgimento 4, I-40136 Bologna, Italy

^bDipartimento di Chimica, Università della Calabria, ponte Bucci cubo 15/c, I-87030 Arcavacata di Rende, Italy



A short and efficient synthetic approach to hydroxy (*E*)-stilbenoids via solid-phase cross metathesisSukbok Chang,^{a,*} Youngim Na,^a Hyun Jung Shin,^b Eunjung Choi^b and Lak Shin Jeong^c^aCenter for Molecular Design and Synthesis (CMDs), Department of Chemistry, Korea Advanced Institute of Science and Technology (KAIST), Daejeon 305-701, Republic of Korea^bDepartment of Chemistry, Ewha Womans University, Seoul 120-750, Republic of Korea^cCollege of Pharmacy, Ewha Womans University, Seoul 120-750, Republic of Korea