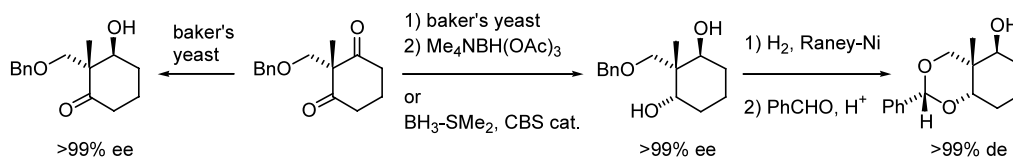
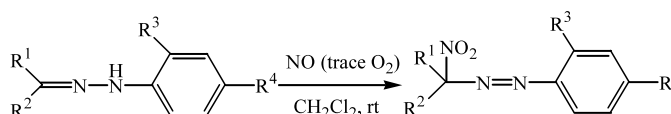
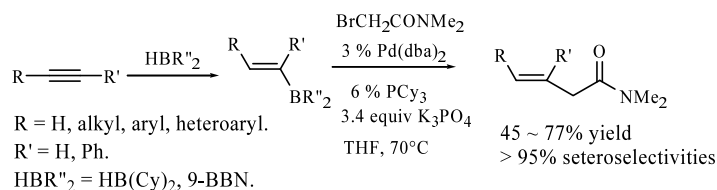


Preparation of new chiral building blocks via asymmetric catalysis*Tetrahedron Letters 44 (2003) 7239*

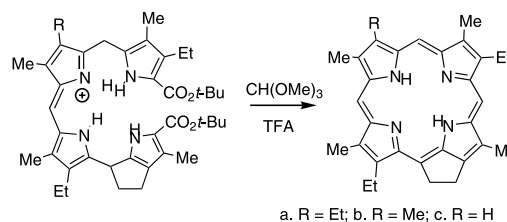
Mitsuhiro Iwamoto, Hatsuo Kawada, Tomoyuki Tanaka and Masahisa Nakada*

Department of Chemistry, School of Science and Engineering, Waseda University, 3-4-1 Ohkubo, Shinjuku-ku, Tokyo 169-8555, Japan**A novel reaction of ketone arylhydrazones with nitric oxide***Tetrahedron Letters 44 (2003) 7245*Desuo Yang,^{a,b} Liandi Lei,^a Zhongquan Liu^a and Longmin Wu^{a,*}^aState Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China^bDepartment of Chemistry & Engineering, Baoji College of Arts & Science, Baoji Shaanxi 721007, PR China

Reaction of nitric oxide with ketone arylhydrazones affords C1'-nitro azo-compounds.

**Palladium-catalyzed stereoselective synthesis of (*E*)- β,γ -unsaturated amides***Tetrahedron Letters 44 (2003) 7249*Fen-Tair Luo,^{a,*} Ting-Yi Lu^b and Cuihua Xue^a^aInstitute of Chemistry, Academia Sinica, Nankang, Taipei, Taiwan 11529^bDepartment of Chemistry and Biochemistry, National Chung Cheng University, Chia-Yi, Taiwan 621**Total synthesis of the porphyrin mineral abelsonite and related petroporphyrins with five-membered exocyclic rings***Tetrahedron Letters 44 (2003) 7253*

Bo Zhang and Timothy D. Lash*

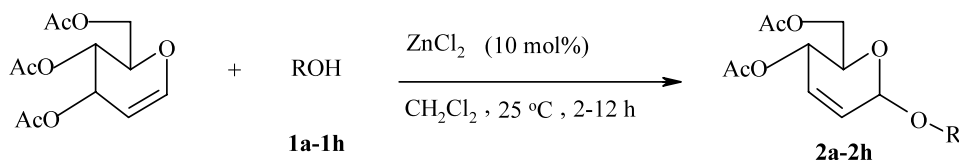
*Department of Chemistry, Illinois State University, Normal, IL 61790-4160, USA*Eastern ring closure of *b*-bilenes with TFA and trimethyl orthoformate affords a series of three geochemically important porphyrins, including DPEP and the mineral abelsonite, in excellent yields.

ZnCl₂-catalyzed Ferrier reaction; synthesis of 2,3-unsaturated 1-*O*-glucopyranosides of allylic, benzylic and tertiary alcohols

Tetrahedron Letters 44 (2003) 7257

B. K. Bettadaiah and P. Srinivas*

Central Food Technological Research Institute, Mysore 570013, India



R = Allylic, benzylic, tertiary

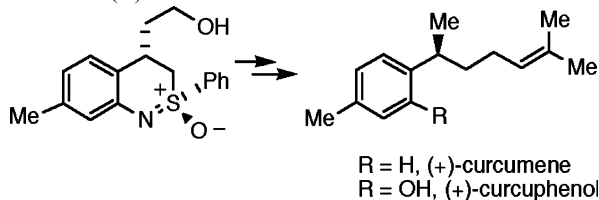
Benzothiazines in synthesis. Formal syntheses of (+)-curcumene and (+)-curcuphenol

Tetrahedron Letters 44 (2003) 7261

Michael Harmata,* Xuechuan Hong and Charles L. Barnes

Department of Chemistry, University of Missouri-Columbia, Columbia, MO 65211, USA

A benzothiazine readily available in enantiomerically pure form via a stereoselective, intramolecular Michael addition reaction could be converted to a precursor to (+)-curcuphenol and to (+)-curcumene.

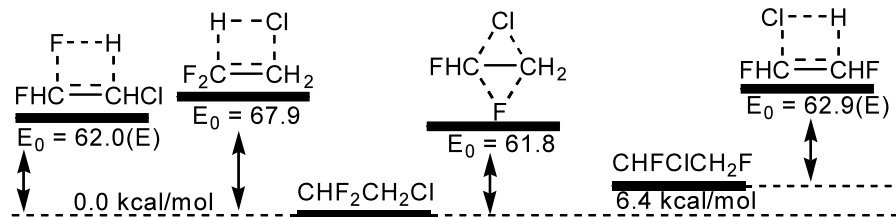


Theoretical calculations of product percentage yields for the thermal decomposition of 2-chloro-1,1-difluoroethane

Tetrahedron Letters 44 (2003) 7265

Melinda R. Beaver, George L. Heard and Bert E. Holmes*

Department of Chemistry, University of North Carolina at Asheville, Asheville, NC 28804, USA

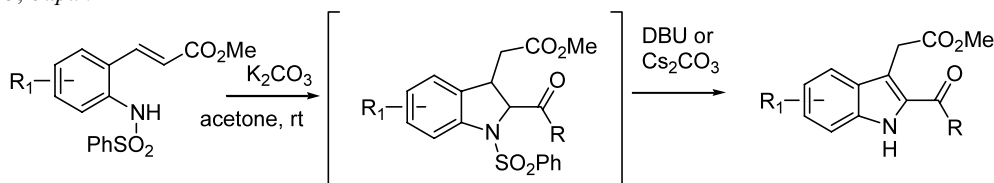


Synthesis of 2-acylindole-3-acetic acids: a novel base-mediated indole synthesis

Tetrahedron Letters 44 (2003) 7269

Kazunari Nakao, Yoshinori Murata, Hiroki Koike, Chikara Uchida, Kiyoshi Kawamura, Sachiko Mihara, Shigeo Hayashi and Rodney W. Stevens*

Discovery Chemistry Research, Nagoya Laboratories, Global Research & Development, Pfizer Inc., 5-2 Taketoyo, Aichi 470-2393, Japan



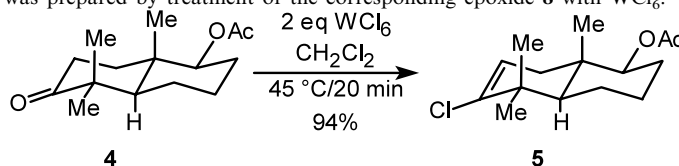
Efficient synthesis of vinyl chlorides and/or *gem*-dichlorides from ketones by treatment with tungsten hexachloride

Tetrahedron Letters 44 (2003) 7273

Michael E. Jung* and Jacob I. Wasserman

Department of Chemistry and Biochemistry, University of California, Los Angeles, 405 Hilgard Ave, Los Angeles, CA 90095-1569, USA

Treatment of cyclic ketones, e.g. **4**, with tungsten hexachloride provided good yields of vinyl chlorides, e.g. **5**, and/or *gem*-dichlorides. A *trans*-diequatorial dichloride **9** was prepared by treatment of the corresponding epoxide **8** with WCl_6 .

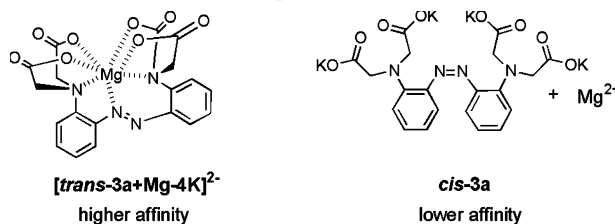


A new class of azobenzene chelators for Mg^{2+} and Ca^{2+} in buffer at physiological pH

Tetrahedron Letters 44 (2003) 7277

Atsuya Momotake and Tatsuo Arai*

University of Tsukuba, Tennodai 1-1-1, Tsukuba 305-8571, Japan



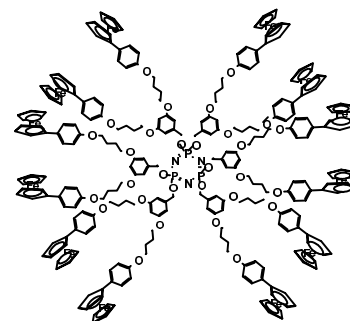
A ferrocene dendrimer based on a cyclotriphosphazene core

Tetrahedron Letters 44 (2003) 7281

Saumitra Sengupta*

Department of Chemistry, Jadavpur University, Kolkata 700 032, India

All 12 ferrocene units are electrochemically equivalent.

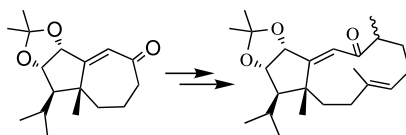


Studies towards the total synthesis of novel dolabellane-type diterpenoids: construction of the 5,11-fused bicyclic framework

Tetrahedron Letters 44 (2003) 7285

Goverdhan Mehta* and Jayant D. Umarye

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

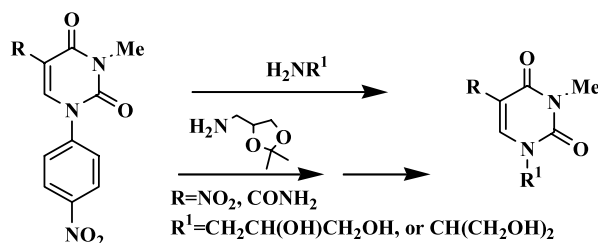


Synthesis of 1-(dihydroxypropyl)-5-substituted uracils

Tetrahedron Letters 44 (2003) 7291

Andrzej Gondela and Krzysztof Walczak*

Institute of Organic Chemistry and Technology, Silesian University of Technology, Krzywoustego 4, 44-100 Gliwice, Poland

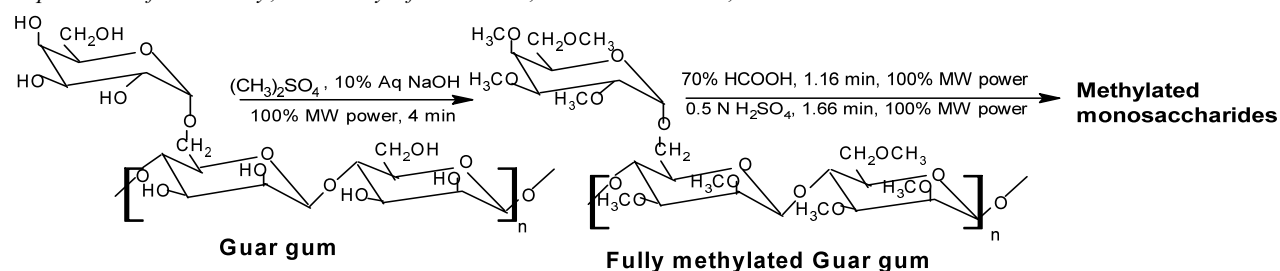


Microwave promoted methylation of plant polysaccharides

Tetrahedron Letters 44 (2003) 7295

Vandana Singh,* Ashutosh Tiwari, Devendra Narayan Tripathi and Tulika Malviya

Department of Chemistry, University of Allahabad, Allahabad 211002, India



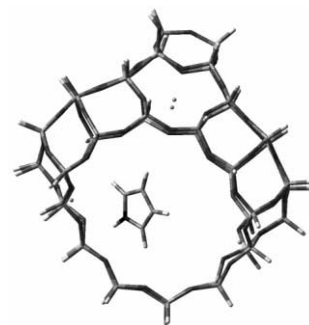
The cation- π cloud interaction and the zeolite basicity concept

Tetrahedron Letters 44 (2003) 7299

Rodrigo J. Corrêa*

*Instituto de Química, Departamento de Química Orgânica,
Universidade Federal do Rio de Janeiro, Cidade Universitária, CT Bloco A,
Ilha do Fundão, Rio de Janeiro/RJ, Brazil, 21949-900*

Pyrrole inside Y zeolite cage.

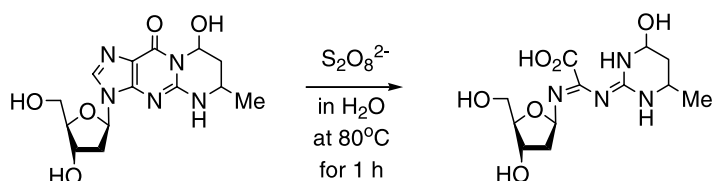


Oxidative hydrolysis of a cyclic 1, N^2 -propano-2'-deoxyguanosine, an adduct of 2'-deoxyguanosine with acetaldehyde or crotonaldehyde

Tetrahedron Letters 44 (2003) 7303

Magoichi Sako,* Shinsuke Inagaki, Yukihiro Esaka and Yoshihiro Deyashiki

Gifu Pharmaceutical University, 5-6-1, Mitahora-higashi, Gifu 502-8585, Japan



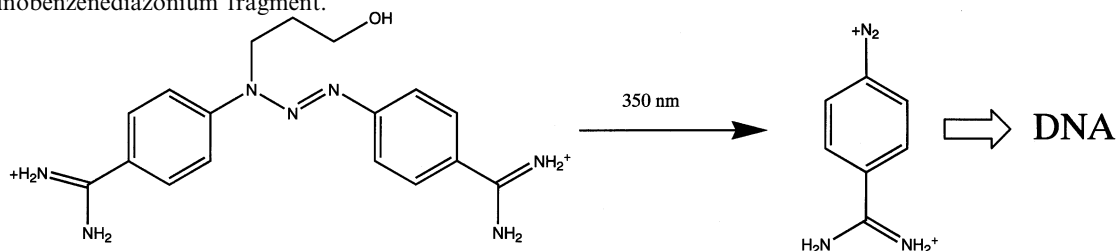
Photochemical DNA cleavage by a Berenil analog

Tetrahedron Letters 44 (2003) 7307

Sally J. Burr, Abdulghani Mselati and Emrys W. Thomas*

Division of Biological Sciences, Salford University, Salford M5 4WT, UK

DNA photocleavage by *N*-(3-hydroxypropyl)-Berenil involves photolysis to give the active cleaving agent—the 4-amidinobenzenediazonium fragment.

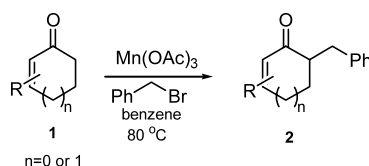


Mn(III) acetate-mediated regioselective benzylation of various α,β -unsaturated and β -alkoxy- α,β -unsaturated ketones

Tetrahedron Letters 44 (2003) 7311

Cihangir Tanyeli* and Devrim Özdemirhan

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

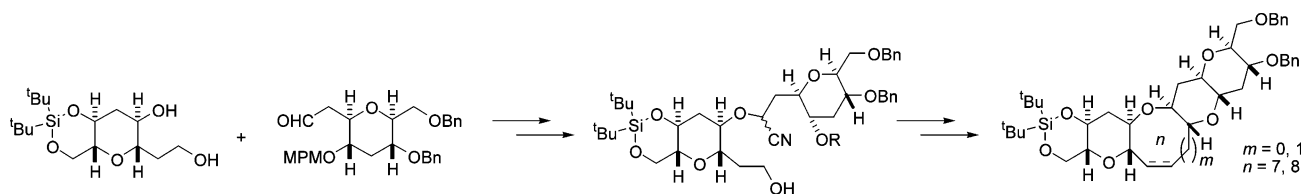


Convergent synthesis of *trans*-fused 6/*n*/6/6 ($n = 7, 8$) tetracyclic ether system via α -cyano ethers

Tetrahedron Letters 44 (2003) 7315

Tohru Oishi,* Koji Watanabe and Michio Murata

Department of Chemistry, Graduate School of Science, Osaka University, Toyonaka, Osaka 560-0043, Japan

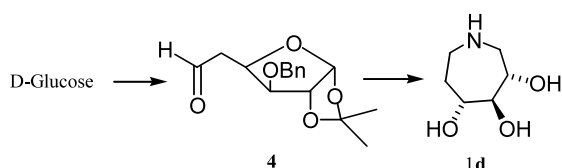


An expeditious synthesis of a (3*S*,4*S*,5*R*)-trihydroxyazepane

Tetrahedron Letters 44 (2003) 7321

Dilip D. Dhavale,* Vinod D. Chaudhari and Jayant N. Tilekar

Department of Chemistry, Garware Research Centre, University of Pune, Pune 411 007, India

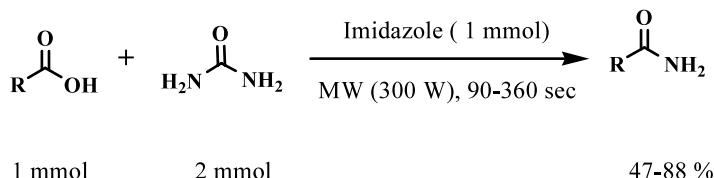


Direct preparation of primary amides from carboxylic acids and urea using imidazole under microwave irradiation

Tetrahedron Letters 44 (2003) 7325

Ali Khalafi-Nezhad,^{a,*} Babak Mokhtari and Mohammad Navid Soltani Rad

Department of Chemistry, College of Science, Shiraz University, Shiraz 71454, Iran



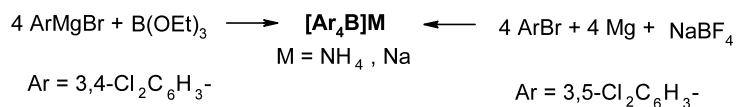
Synthesis of some halogenated tetraarylbates

Tetrahedron Letters 44 (2003) 7329

Romana Anulewicz-Ostrowska,^a Tomasz Kliś,^b Dariusz Krajewski,^b
Bartosz Lewandowski^b and Janusz Serwatowski^{b,*}

^a*Faculty of Chemistry, University of Warsaw, Pasteura 1, 02-090 Warsaw, Poland*

^b*Faculty of Chemistry, Warsaw University of Technology, Noakowskiego 3, 00-664 Warsaw, Poland*



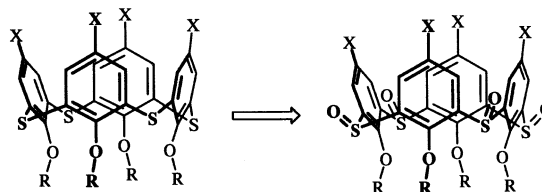
Stereoselective oxidation of thiacalix[4]arenes with the NaNO₃/CF₃COOH system

Tetrahedron Letters 44 (2003) 7333

Pavel Lhoták,^{a,*} Jiří Morávek,^a Tomáš Šmejkal,^a
Ivan Stibor^a and Jan Sýkora^b

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

^b*Institute of Chemical Process Fundamentals, Czech Academy of Sciences, Rozvojová 135, 165 02 Prague 6, Czech Republic*



The oxidation of thiacalix[4]arenes using the NaNO₃/CF₃COOH system leads smoothly to the corresponding tetrasulfoxides in a stereoselective manner, wherein the alkyl and sulfoxide groups are oriented in the opposite directions.

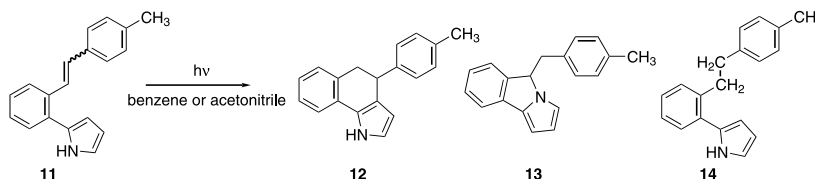
Photochemistry of stilbenyl-pyrroles: a new approach to indole and isoindole derivatives

Tetrahedron Letters 44 (2003) 7337

Nikola Basarić,^a Željko Marinić^b and Marija Šindler-Kulyk^{a,*}

^a*Department of Organic Chemistry, Faculty of Chemical Engineering and Technology, University of Zagreb, Marulićev trg 19, HR-10000, Croatia*

^b*NMR Center, Ruđer Bošković Institute, PO Box 180, HR-10002 Zagreb, Croatia*

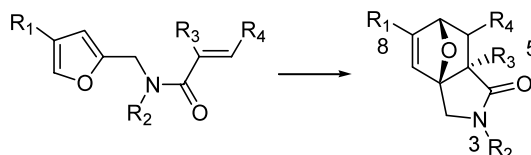


Synthesis of a novel series of 10-oxa-3-aza-tricyclo[5.2.1.0^{1,5}]dec-8-en-4-ones through an intramolecular Diels–Alder reaction

Tetrahedron Letters 44 (2003) 7341

Karen L. Milkiewicz,^{a,*} Irina B. Neagu, Daniel J. Parks and Tianbao Lu

³-Dimensional Pharmaceuticals, 665 Stockton Drive, Exton, PA 19341, USA



The synthesis of 6-trifluoroethyl-L-lysine: a method to introduce functionality at C-6 of L-lysine

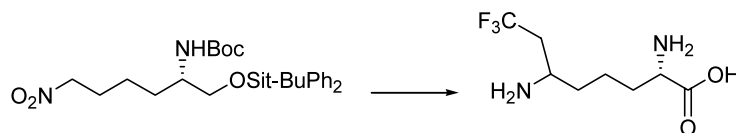
Tetrahedron Letters 44 (2003) 7345

E. Ann Hallinan,^{a,*} Clifford R. Dorn,^a William M. Moore,^b Gina M. Jerome,^b Pamela T. Manning^c and Barnett S. Pitzele^a

^aPharmacia, 4901 Searle Parkway, Skokie, IL 60077, USA

^bPharmacia, 800 North Lindbergh Boulevard, St. Louis, MO 63167, USA

^cPharmacia, 700 Chesterfield Parkway, St. Louis, MO 63198, USA



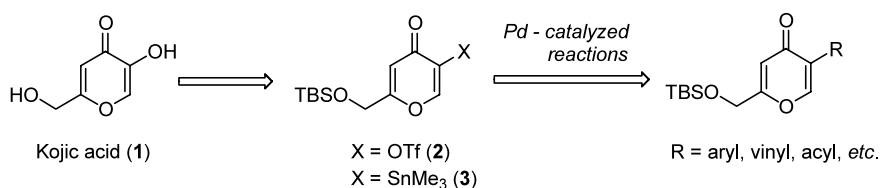
A concise approach to 5-substituted-4-pyrones from kojic acid

Tetrahedron Letters 44 (2003) 7349

Tomoyuki Kamino,^a Kouji Kuramochi^b and Susumu Kobayashi^{a,b,*}

^aFaculty of Pharmaceutical Sciences, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan

^bFrontier Research Center for Genomic Drug Discovery, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan

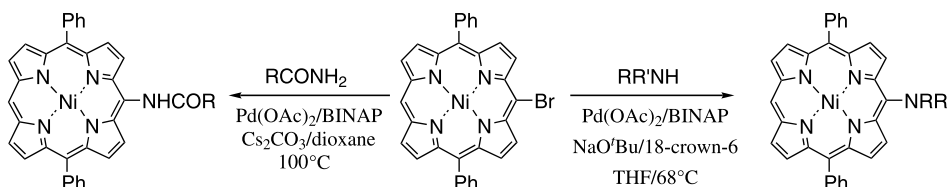


Palladium-catalyzed *meso*-amination and amidation of porphyrins: marked acceleration with the Ni(II) central metal ion

Tetrahedron Letters 44 (2003) 7353

Toshikatsu Takanami, Mikiko Hayashi, Fumio Hino and Kohji Suda^{*}

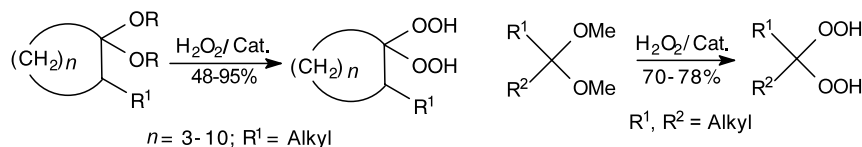
Meiji Pharmaceutical University, 2-522-1, Noshio, Kiyose, Tokyo 204-8588, Japan



A new method for the synthesis of bishydroperoxides based on a reaction of ketals with hydrogen peroxide catalyzed by boron trifluoride complexes

Alexander O. Terent'ev, Alexander V. Kutkin, Maxim M. Platonov, Yuri N. Ogibin* and Gennady I. Nikishin

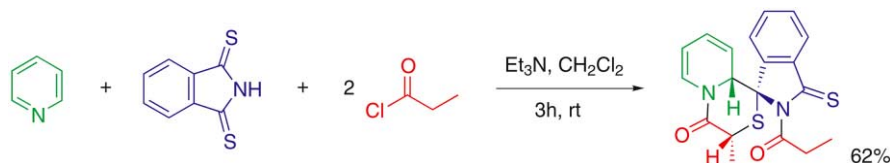
N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 119991 Moscow, Leninsky Prospekt, 47, Russia



A novel one-pot, three-component reaction: formation of tricyclic 1,2-dihydropyridines via mesomeric betaines

Shinji Yamada,* Tomoko Misono, Chisako Morita and Noriko Nunami

Department of Chemistry, Faculty of Science, Ochanomizu University, Bunkyo-ku, Tokyo 112-8610, Japan

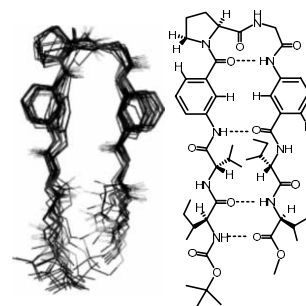


Formation of β -hairpins in L-Pro-Gly containing peptides facilitated by 3-amino benzoic acid

M. H. V. Ramana Rao, S. Kiran Kumar and A. C. Kunwar*

NMR Center, Indian Institute of Chemical Technology, Hyderabad 500 007, India

Designed β -hairpin peptides tolerate insertion of 3-amino benzoic acid (3-Aba) and also permit accommodation of both enantiomers of Pro-Gly turn motifs.



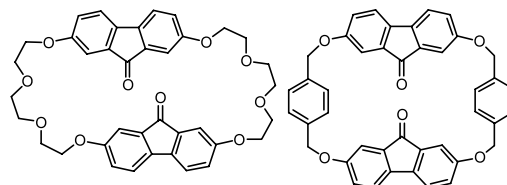
Bis(fluorenono)phanes: a new class of perspective macrocyclic receptors

Nikolay G. Lukyanenko,^{a,*} Tatiana I. Kirichenko,^a
Alexander Yu. Lyapunov,^a Tatiana Yu. Bogaschenko,^a
Victor N. Pastushok,^a Yurii A. Simonov,^b Marina S. Fonari^b
and Mark M. Botoshansky^c

^aDepartment of Fine Organic Synthesis, A.V. Bogatsky Physico-Chemical Institute, National Academy of Sciences of Ukraine, Lustdorfskaya doroga 86, 65080 Odessa, Ukraine

^bInstitute of Applied Physics Academy of Sciences of Moldova, Academy str., 5 MD 2028, Chisinau, Moldova

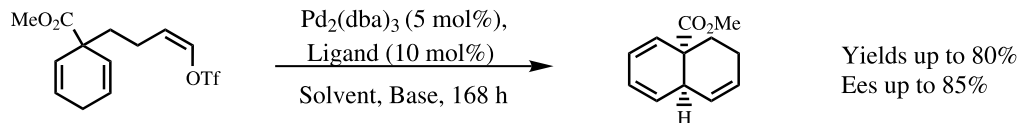
^cDepartment of Chemistry, Technion-Israel Institute of Technology, Technion City, 32000, Haifa, Israel



A comparison of palladium complexes of BINAP and diphenylphosphinooxazoline ligands in the catalytic asymmetric synthesis of *cis*-decalins

Denis Kiely and Patrick J. Guiry*

Centre for Synthesis and Chemical Biology, Conway Institute of Biomolecular and Biomedical Research,
Department of Chemistry, University College Dublin, Belfield, Dublin 4, Ireland



Isolation and synthesis of 2-chloro-10- α -hydroxynaltrexone, a new naltrexone degradant

Walter Meredith, Gregory A. Nemeth, Robert Boucher, Robert Carney,
Michael Haas, Ken Sigvardson and Christopher A. Teleha*

Bristol-Myers Squibb Co., Pharmaceutical Research Institute, Discovery Chemistry,
and Analytical R&D, Experimental Station, PO Box 80336, Wilmington, DE 19880-0336, USA

The structure of a new degradant of naltrexone HCl was confirmed by independent synthesis to be 2-chloro-10- α -hydroxynaltrexone **2**.

