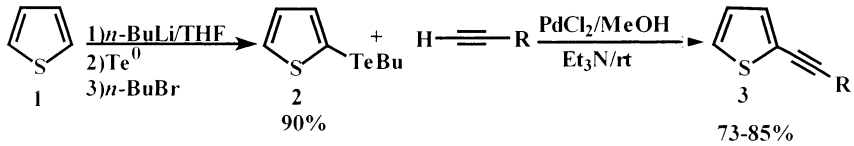
## Synthesis and anti-inflammatory activity of acetylenic thiophenes

*Tetrahedron Letters 42 (2001) 7921*

Gilson Zeni,[a,*] Cristina W. Nogueira,[a] Rodrigo B. Panatieri,[a] Dagoberto O. Silva,[a] Paulo H. Menezes,[b] Antonio L. Braga,[a] Claudio C. Silveira,[a] Hélio A. Stefani[c] and Joao B. T. Rocha[a]

[a]*Departamento de Química, Laboratório de Bioquímica Toxicológica-UFSM 97105-900, Santa Maria, RS, Brazil*
[b]*Departamento de Química Fundamental, UFPE, Recife, PE, Brazil*
[c]*Faculdade de Ciências Farmacêuticas, USP, São Paulo, SP, Brazil*

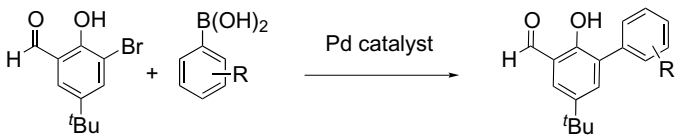



## Preparation of 3-aryl-substituted salicylaldehydes via Suzuki coupling

*Tetrahedron Letters 42 (2001) 7925*

Michael A. Zhuravel and SonBinh T. Nguyen*

*Department of Chemistry, Northwestern University, Evanston, IL 60208, USA*

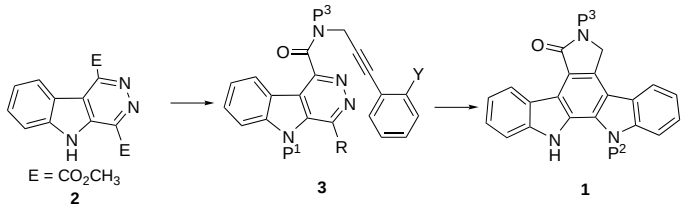



## Inverse electron-demand Diels–Alder chemistry in the synthesis of a regioselectively protected analogue of the staurosporine aglycone

*Tetrahedron Letters 42 (2001) 7929*

Rana Nomak and John K. Snyder*

*Department of Chemistry, Boston University, 590 Commonwealth Ave., Boston, MA 02215, USA*

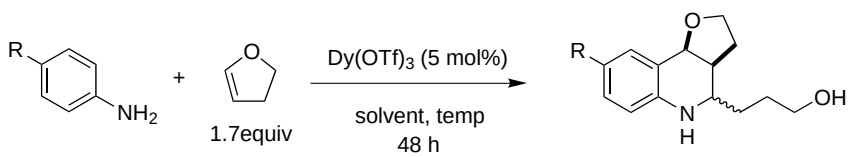



## Dysprosium(III) catalyzed formation of hexahydrofuro[3,2-*c*]-quinolines via 2:1 coupling of dihydrofuran with substituted anilines

*Tetrahedron Letters 42 (2001) 7935*

Robert A. Batey,* David A. Powell, Austin Acton and Alan J. Lough

*Department of Chemistry, 80 St. George Street, University of Toronto, Toronto, Ontario, Canada M5S 3H6*

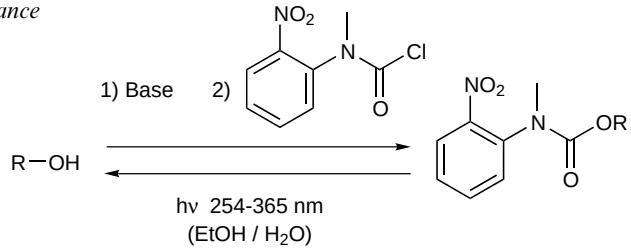


## *N*-Methyl-*N*-(*o*-nitrophenyl)carbamates as photolabile alcohol protecting groups

*Tetrahedron Letters 42 (2001) 7957*

Sandra Loudwig and Maurice Goeldner*

*Laboratoire de Chimie Bioorganique, UMR 7514 CNRS, Faculté de Pharmacie, Université Louis Pasteur Strasbourg, BP 24, 67401 Illkirch Cedex, France*



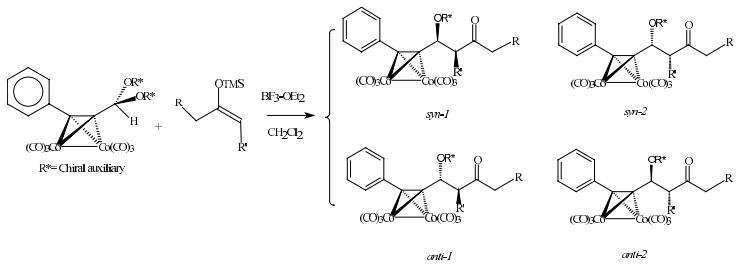

## *syn-anti* Diastereoselectivity in the Nicholas reaction via a chiral 1-alkoxy-propargylium cation

*Tetrahedron Letters 42 (2001) 7961*

Angel M. Montaña* and Montserrat Cano

*Department of Organic Chemistry, University of Barcelona, c/Martí i Franquès 1-11, 08028 Barcelona, Spain*

The *syn-anti* diastereoselectivity of the Nicholas reaction between enantiopure propargyl acetal dicobalt–hexacarbonyl complexes and several linear and cyclic silyl enol ethers is presented. A high yield, up to 95%, and high *syn-anti* diastereoselectivity (from 85:15 up to >99:1) is observed in the generation of the two new stereocenters. Also, 70:30 *syn*(*R*,*R*)-*syn*(*S*,*S*) diastereoselectivity is observed in this preliminary work.

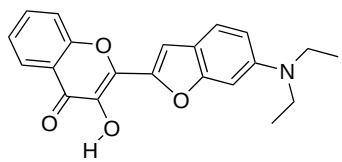



## A 3-hydroxychromone with dramatically improved fluorescence properties

*Tetrahedron Letters 42 (2001) 7967*

Andrey S. Klymchenko,[a,c,*] Turan Ozturk,[a]
Vasyl G. Pivovarenko[b] and Alexander P. Demchenko[a,c]

[a]*TUBITAK Marmara Research Center, Gebze-Kocaeli 41470, Turkey*
[b]*Department of Chemistry, Kyiv National Taras Shevchenko University, 01033 Kyiv, Ukraine*
[c]*A. V. Palladin Institute of Biochemistry, 9 Leontovicha str., 02030 Kyiv, Ukraine*



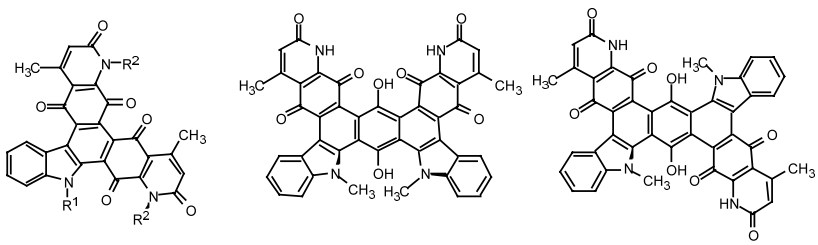

The title compound, which was synthesized in a concise route, shows the best absorption and fluorescence properties among all the known chromones to date.

## One-pot assembly of large heterocyclic quinones through three-component reactions

*Tetrahedron Letters 42 (2001) 7971*

Pilar López-Alvarado, Miguel Ángel Alonso, Carmen Avendaño* and J. Carlos Menéndez*

*Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad Complutense, 28040 Madrid, Spain*

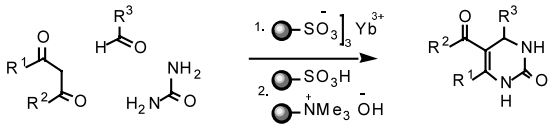


Tetrahedron Letters 42 (2001) 7975

## Parallel synthesis of dihydropyrimidinones using Yb(III)-resin and polymer-supported scavengers under solvent-free conditions. A green chemistry approach to the Biginelli reaction

Alessandro Dondoni* and Alessandro Massi

*Dipartimento di Chimica, Laboratorio di Chimica Organica, Università di Ferrara, Via L. Borsari 46, I-44100 Ferrara, Italy*

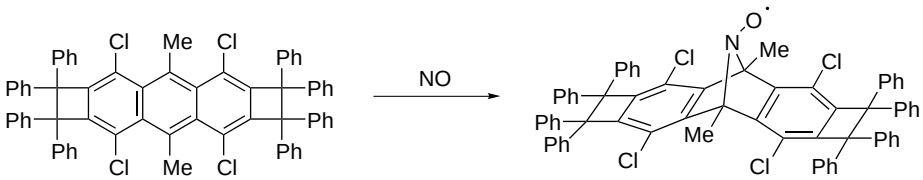


Tetrahedron Letters 42 (2001) 7979

## Evidence that naphthocyclobutene, phenanthrodicyclobutene, and anthrodicyclobutene derivatives are not contaminated by their cyclobutene ring-opened isomers

Fumio Toda,[a,*] Koichi Tanaka[b] and Naohide Takamoto[b]

[a]*Department of Chemistry, Okayama University of Science, Ridai-cho, Okayama 700-0005, Japan*
[b]*Department of Applied Chemistry, Faculty of Engineering, Ehime University, Matsuyama 790-8577, Japan*



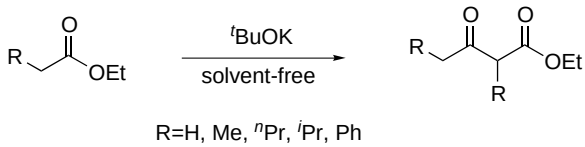
Tetrahedron Letters 42 (2001) 7983

## Solvent-free Claisen and Cannizzaro reactions

Kazuhiro Yoshizawa, Shinji Toyota and Fumio Toda*

*Department of Chemistry, Okayama University of Science, Ridai-cho, Okayama 700-0005, Japan*

Claisen and Cannizzaro reactions were found to proceed efficiently under solvent-free conditions.



R=H, Me, $^{n}$Pr, $^{i}$Pr, Ph

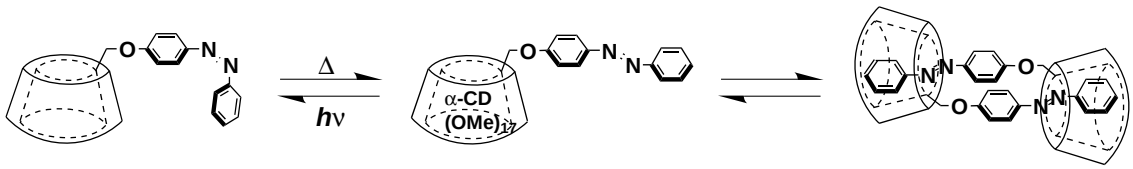
Tetrahedron Letters 42 (2001) 7987

## Photoswitching of the association of a permethylated α-cyclodextrin-azobenzene dyad forming a Janus [2]pseudorotaxane

Tatsuhiko Fujimoto,[a] Asao Nakamura,[b] Yoshihisa Inoue,[b] Yoshiteru Sakata[a] and Takahiro Kaneda[a,*]

[a]*The Institute of Scientific and Industrial Research, Osaka University, 8-1 Mihogaoka, Ibaraki, Osaka 567-0047, Japan*
[b]*Inoue Photochirogenesis Project, ERATO, JST, 4-6-3 Kamishinden, Toyonaka, Osaka 560-0085, Japan*

This report describes the first example of the dynamic control of the [2]pseudorotaxane of a modified cyclodextrin through *E-Z* photoisomerization of an azobenzene moiety.



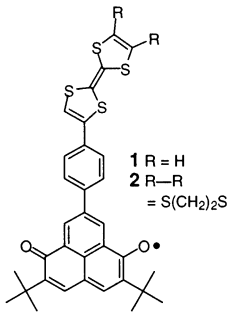
Tetrahedron Letters 42 (2001) 7991

## 6-Oxophenalenoxyl derivatives covalently linked to TTF moieties: synthesis, ESR/ENDOR measurements, and DFT calculations

Yasushi Morita,[a,*] Junya Kawai,[a] Naoki Haneda,[a] Shinsuke Nishida,[a] Kozo Fukui,[b] Shigeaki Nakazawa,[b] Daisuke Shiomi,[b] Kazunobu Sato,[b] Takeji Takui,[b] Takashi Kawakami,[a] Kizashi Yamaguchi[a] and Kazuhiro Nakasuji[a]

[a]*Department of Chemistry, Graduate School of Science, Osaka University, Toyonaka, Osaka 560-0043, Japan*

[b]*Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University, Sumiyoshi-ku, Osaka 558-8585, Japan*




Tetrahedron Letters 42 (2001) 7997

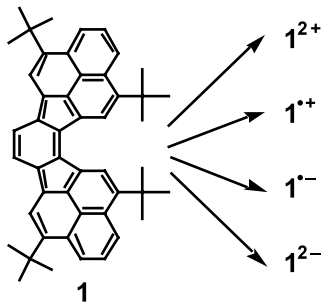
## Tetra-*tert*-butyl-*as*-indaceno[1,2,3-*cd*:6,7,8-*c′d′*]diphenalene: a four-stage amphoteric redox system

Takashi Kubo,[a] Kagetoshi Yamamoto,[a,*] Kazuhiro Nakasuji[a,*] and Takeji Takui[b]

[a]*Department of Chemistry, Graduate School of Science, Osaka University, Toyonaka 560-0043, Japan*

[b]*Department of Chemistry, Faculty of Science, Osaka City University, Sumiyoshi-ku 558-8585, Japan*

TTB-*as*-IDPL **1** was prepared and found to behave as a four-stage amphoteric redox compound. The properties of its five redox states were investigated.

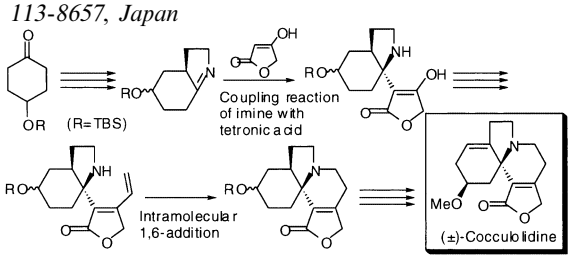



Tetrahedron Letters 42 (2001) 8003

## Total synthesis of (±)-cocculolidine

Tsuneomi Kawasaki, Naoko Onoda, Hidenori Watanabe and Takeshi Kitahara*

*Department of Applied Biological Chemistry, Graduate School of Agricultural and Life Sciences, The University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-8657, Japan*




Tetrahedron Letters 42 (2001) 8007

## Improved method of an unusual conversion of aliphatic amines into alcohols

S. M. Abdur Rahman, Hiroaki Ohno and Tetsuaki Tanaka*

*Graduate School of Pharmaceutical Sciences, Osaka University, 1-6 Yamadaoka, Suita, Osaka 565-0871, Japan*

An improved method for the synthesis of alcohols from amines was achieved using a degassed diethylene glycol and KOH. Utilizing this method, facile conversion of a cyano group, even a sterically hindered one, to a hydroxymethyl group was also accomplished.

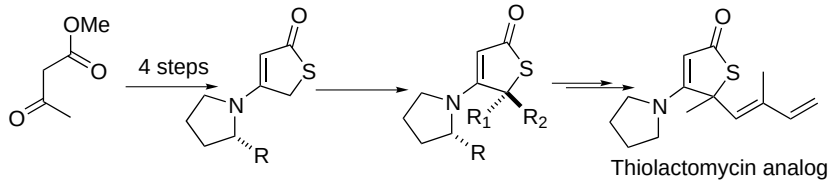
$$R{-}NH_2 \xrightarrow[(42\text{–}77\%)]{\text{KOH, diethylene glycol, 210 °C}} R{-}OH$$

Tetrahedron Letters 42 (2001) 8011

## Novel synthesis and γ-alkylation reactions of 4-(1-pyrrolidinyl)-2(5*H*)-thiophenones

Yu-Jang Li,* Zen-Ting Liu and Sheng-Chuan Yang

*Department of Applied Chemistry, Chaoyang University of Technology, 168 Gifeng E. Rd, Wufeng, Taichung County, Taiwan 413, ROC*



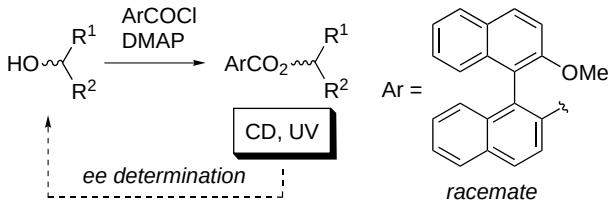

Tetrahedron Letters 42 (2001) 8015

## Use of a racemic derivatizing agent for measurement of enantiomeric excess by circular dichroism spectroscopy

Tetsutaro Hattori,[a,*] Yuji Minato,[a] Sulan Yao,[b] M. G. Finn[b,*] and Sotaro Miyano[a]

[a]*Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University, Aramaki-Aoba 07, Aoba-ku, Sendai 980-8579, Japan*

[b]*Department of Chemistry, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037, USA*



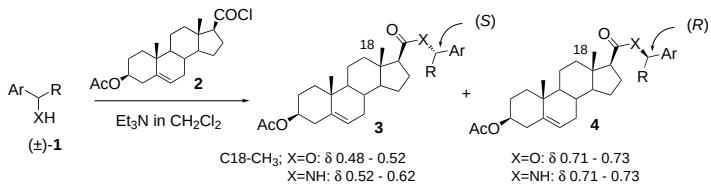

Tetrahedron Letters 42 (2001) 8019

## A novel determination method of the absolute configuration of 1-aryl-1-alkylalcohols and amines by an intramolecular CH/π shielding effect in $^1$H NMR

Masato Matsugi,[a] Kinuyo Itoh,[a] Masatomo Nojima,[a] Yuri Hagimoto[b] and Yasuyuki Kita[b,*]

[a]*Department of Materials Chemistry, Graduate School of Engineering, Osaka University, 2-1, Yamada-oka, Suita, Osaka 565-0871, Japan*

[b]*Graduate School of Pharmaceutical Sciences, Osaka University, 1-6, Yamada-oka, Suita, Osaka 565-0871, Japan*

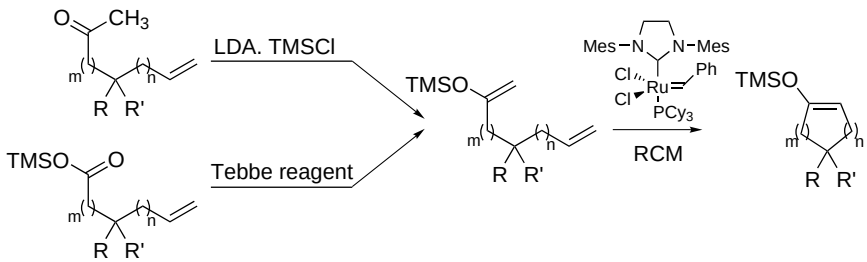



Tetrahedron Letters 42 (2001) 8023

## Highly regioselective synthesis of cyclic enol silyl ethers using ring-closing metathesis

Akihiro Okada, Takashi Ohshima and Masakatsu Shibasaki*

*Graduate School of Pharmaceutical Sciences, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*

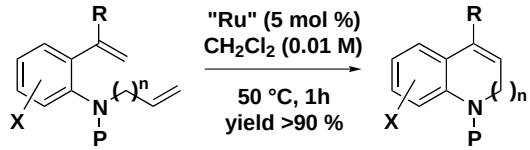


Tetrahedron Letters 42 (2001) 8029

## Synthesis of substituted 1,2-dihydroquinolines and quinolines using ene–ene metathesis and ene–enol ether metathesis

Mitsuhiro Arisawa, Chumpol Theeraladanon, Atsushi Nishida and Masako Nakagawa*

*Graduate School of Pharmaceutical Sciences, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan*




R = $OSiMe_2{}^tBu$, OMe, Me, H; P = Ts, Bn, Ac, Boc; n = 1, 2, 3

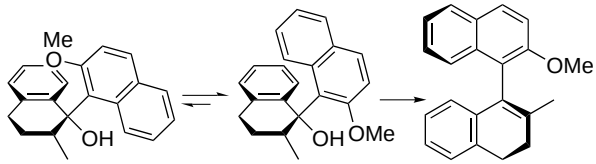
Tetrahedron Letters 42 (2001) 8035

## Highly stereospecific conversion of *C*-centrochirality of a 3,4-dihydro-2*H*-1,1′-binaphthalen-1-ol into axial chirality of a 3,4-dihydro-1,1′-binaphthalene

Tetsutaro Hattori,[a,*] Masamitsu Date,[a] Kenta Sakurai,[a] Naoya Morohashi,[a] Hiroshi Kosugi[b] and Sotaro Miyano[a,*]

[a]*Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University, Aramaki-Aoba 07, Aoba-ku, Sendai 980-8579, Japan*

[b]*College of Medical Sciences, Tohoku University, Seiryo 2-1, Aoba-ku, Sendai 980-8575, Japan*



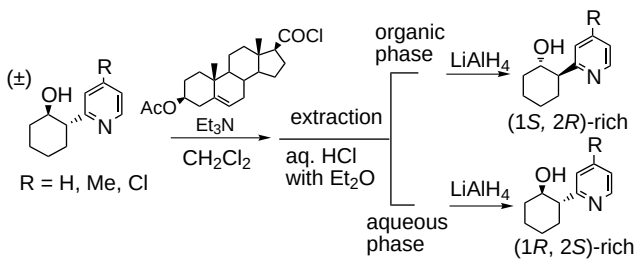

Tetrahedron Letters 42 (2001) 8039

## Determination of stereochemistry and separation of diastereomeric derivatives of *trans*-2-pyridylcyclohexanols by extraction

Masato Matsugi,[a] Masatomo Nojima,[a] Yuri Hagimoto[b] and Yasuyuki Kita[b,*]

[a]*Department of Materials Chemistry, Graduate School of Engineering, Osaka University, 2-1, Yamada-oka, Suita, Osaka 565-0871, Japan*

[b]*Graduate School of Pharmaceutical Sciences, Osaka University, 1-6, Yamada-oka, Suita, Osaka 565-0871, Japan*



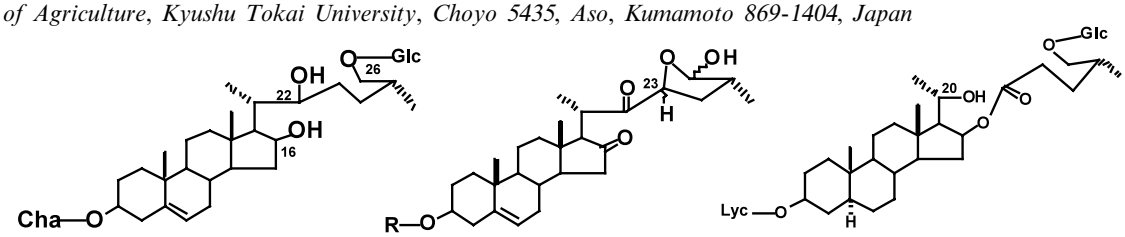

Tetrahedron Letters 42 (2001) 8043

## Peculiar steroidal saponins with opened E-ring from *Solanum* genera plants

Xing-Hua Zhu,[a] Hidetsugu Tsumagari,[a] Takehiko Honbu,[a] Tsuyoshi Ikeda,[a] Masateru Ono[b] and Toshihiro Nohara[a,*]

[a]*Faculty of Pharmaceutical Sciences, Kumamoto University, Oe-honmachi 5-1, Kumamoto 862-0973, Japan*

[b]*School of Agriculture, Kyushu Tokai University, Choyo 5435, Aso, Kumamoto 869-1404, Japan*



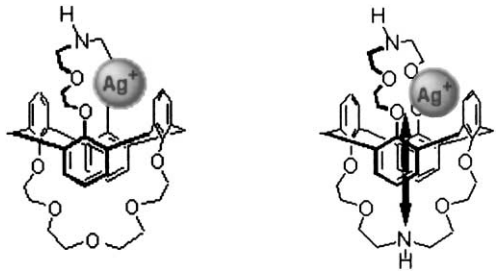
## Silver ion oscillation through calix[4]azacrown tube

*Tetrahedron Letters 42 (2001) 8047*

Jong Seung Kim,[a,*] Seung Hwan Yang,[a] Jeong Ah Rim,[a] Jong Yeol Kim,[b] Jacques Vicens[c] and Seiji Shinkai[d]

[a]*Department of Chemistry, Konyang University, Nonsan 320-711, South Korea*
[b]*Korea Ginseng & Tobacco Research Institute, Taejon 305-345, South Korea*
[c]*ECPM, Becquerel, F-67087 Strasbourg, Cédex 2, France*
[d]*Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 812-8581, Japan*

Silver ion oscillation through calixtube of 1,3-alternate calix[4]crown-5-azacrown-5 and 1,3-alternate calix[4]-bis-azacrown-5 was investigated by temperature variable $^1$H NMR experiment. The latter (symmetrical calix-bis-azacrown-5) showed an intramolecular metal ion tunneling through π-basic calixtube while the former did not.

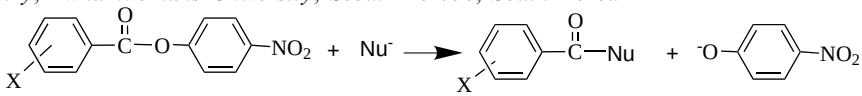



## The effect of acyl substituents on the α-effect: contrasting α-effect profiles for reactions of 4-nitrophenyl substituted benzoates with neutral and anionic nucleophiles

*Tetrahedron Letters 42 (2001) 8051*

Ik-Hwan Um,* Hyun-Joo Han and Eun-Kyung Chung

*Department of Chemistry, Ewha Womans University, Seoul 120-750, South Korea*




$Nu^-$ = MeC(O)C(Me)=$NO^-$ ( $Ox^-$) and 4-$ClC_6H_4O^-$ ( $ClPhO^-$)

X = 4-MeO (**1a**), 4-Me (**1b**), 3-Me (**1c**), H (**1d**), 4-Cl (**1e**), 3-Cl (**1f**), 4-CN (**1g**), 4-$NO_2$ (**1h**), 4-Cl-3-$NO_2$ (**1i**), 3,5-$(NO_2)_2$ (**1j**)

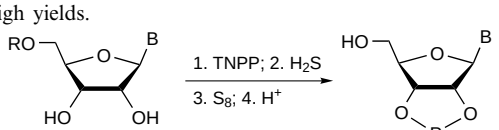
## A new method for the synthesis of nucleoside 2′,3′-*O*,*O*-cyclic phosphorodithioates via aryl cyclic phosphites as intermediates

*Tetrahedron Letters 42 (2001) 8055*

Małgorzata Wenska,[a] Jadwiga Jankowska,[a] Michał Sobkowski,[a] Jacek Stawiński[a,b] and Adam Kraszewski[a,*]

[a]*Institute of Bioorganic Chemistry, Polish Academy of Sciences, Noskowskiego 12/14, 61-704 Poznań, Poland*
[b]*Department of Organic Chemistry, Stockholm University, Arrhenius Laboratory, S-106 91 Stockholm, Sweden*

5′-Protected ribonucleosides readily react with tris(4-nitrophenyl) phosphite to give the corresponding aryl nucleoside 2′,3′-*O*,*O*-cyclic phosphites. These upon sulfhydrolysis, followed by sulfurization and removal of the 5′-protecting groups afforded nucleoside 2′,3′-*O*,*O*-cyclophosphorodithioates in high yields.



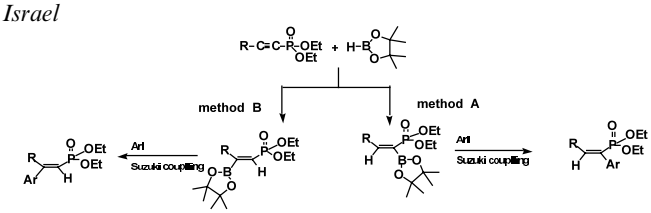

R = 4,4'-dimethoxytrityl; B =Ade, Cyt, Gua, Ura
TNPP = tri(4-nitrophenyl) phosphite

## Control of hydroboration of 1-alkynylphosphonates, followed by Suzuki coupling provides regio- and stereospecific synthesis of di-substituted 1-alkenylphosphonates

*Tetrahedron Letters 42 (2001) 8059*

Inna Pergament and Morris Srebnik*

*Department of Medicinal Chemistry and Natural Products, School of Pharmacy, Hebrew University in Jerusalem, POB 12065, Jerusalem 91120, Israel*

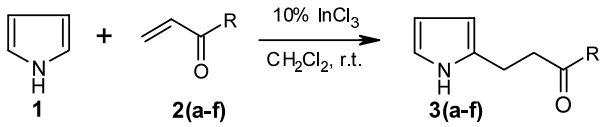


Tetrahedron Letters 42 (2001) 8603

## Addition of pyrroles to electron deficient olefins employing $InCl_3$

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

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



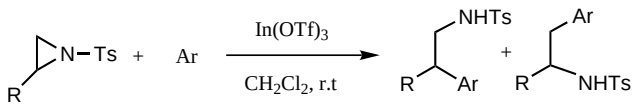

R = aryl, benzyl, anisyl, piperonyl, cinnamoyl and methyl

Tetrahedron Letters 42 (2001) 8067

## First examples of *C*-arylation of aziridines catalyzed by indium triflate

J. S. Yadav,* B. V. Subba Reddy, R. Srinivasa Rao, G. Veerendhar and K. Nagaiah

*Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500007, India*



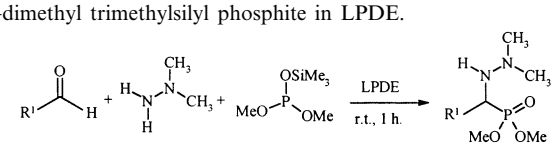

Tetrahedron Letters 42 (2001) 8071

## Lithium perchlorate/diethyl ether catalyzed one-pot synthesis of α-hydrazinophosphonates from aldehydes by a three-component reaction

Akbar Heydari,[a,*] Abdollah Javidan[b] and Mehdi Schaffie[a]

[a]*Chemistry Department, Tarbiat Modarres University, PO Box 14155-4838, Tehran, Iran*
[b]*Chemistry Department, Imam Hossein University, PO Box 16575-347, Tehran, Iran*

A simple and efficient one-pot method was developed to give α-hydrazinophosphonates from aldehydes+*N*,*N*-dimethylhydrazine+dimethyl trimethylsilyl phosphite in LPDE.



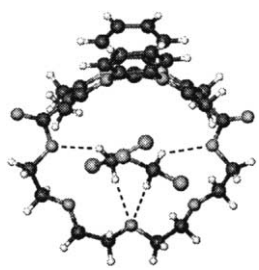

Tetrahedron Letters 42 (2001) 8075

## Oligoethyl ether derivatives of ester functionalised nickel(II) macrocycles

Michaele J. Hardie,[a] Nino Malic,[b] Peter J. Nichols[b] and Colin L. Raston[a,*]

[a]*School of Chemistry, University of Leeds, Leeds LS2 9JT, UK*
[b]*School of Chemistry, Monash University, Clayton 3800, Melbourne, Australia*

Crown ether molecules with grafted saddle shaped nickel(II) macrocycles (through ester linkages) have been prepared, along with oligoethyl ether open chain analogues.

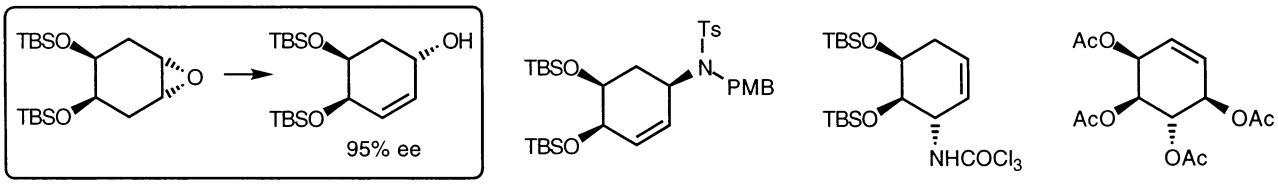


Tetrahedron Letters 42 (2001) 8081

## Chiral base route to cyclic polyols: asymmetric synthesis of aminodeoxyconduritols and conduritol F

Simon E. de Sousa, Peter O'Brien* and Christopher D. Pilgram

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

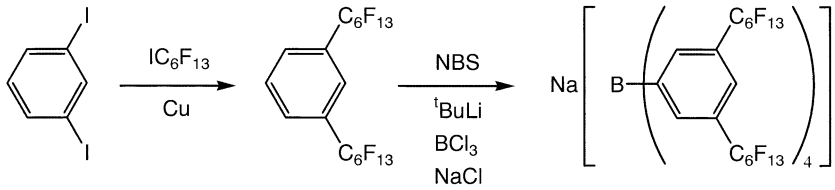



Tetrahedron Letters 42 (2001) 8085

## Tetrakis{3,5-bis(perfluorohexyl)phenyl}borate: a highly fluorous anion

Joep van den Broeke,[a] Berth-Jan Deelman[a,b,*] and Gerard van Koten[a]

[a]*Department of Metal-Mediated Synthesis, Debye Institute, Utrecht University, Padualaan 8, 3584 CH Utrecht, The Netherlands*
[b]*ATOFINA Vlissingen B.V., PO Box 70, 4380 AB Vlissingen, The Netherlands*



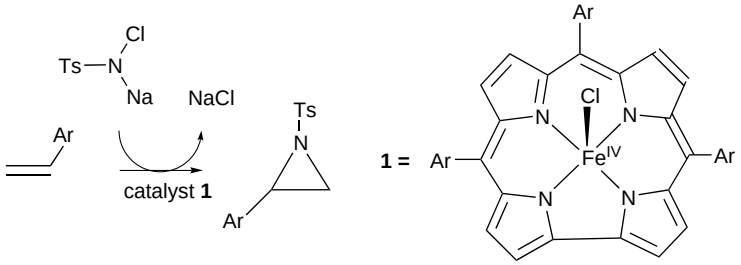

Tetrahedron Letters 42 (2001) 8089

## Iron(IV) corroles are potent catalysts for aziridination of olefins by Chloramine-T

Liliya Simkhovich and Zeev Gross*

*Department of Chemistry and Institute of Catalysis Science and Technology, Technion-Israel Institute of Technology, Haifa 32000, Israel*

The iron(IV) corrole **1** displays the unique ability of utilizing Chloramine-T as nitrogen atom source for aziridination of styrene derivatives.

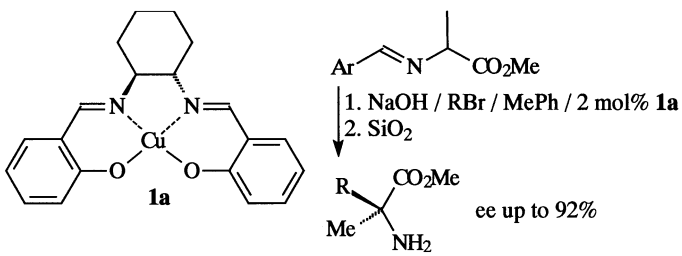



Tetrahedron Letters 42 (2001) 8093

## The influence of imine structure, catalyst structure and reaction conditions on the enantioselectivity of the alkylation of alanine methyl ester imines catalyzed by Cu(ch-salen)

Yuri N. Belokon',[b] R. Gareth Davies,[a] Jose A. Fuentes,[a] Michael North[a,*] and Teresa Parsons[a]

[a]*Department of Chemistry, King's College London, Strand, London WC2R 2LS, UK*
[b]*A.N. Nesmeyanov Institute of Organo-Element Compounds, Russian Academy of Sciences, 117813 Moscow, Vavilov 28, Russian Federation*

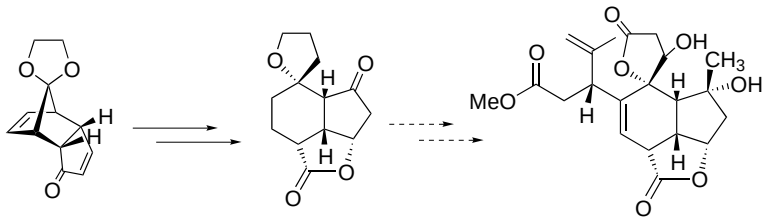


*Tetrahedron Letters 42 (2001) 8097*

## Studies towards the total synthesis of novel marine diterpene havellockate. Construction of the tetracyclic core

Goverdhan Mehta* and R. Senthil Kumaran

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

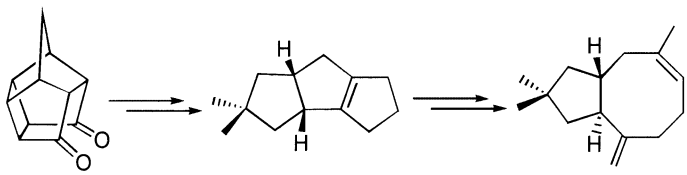


*Tetrahedron Letters 42 (2001) 8101*

## Total synthesis of the bicyclo[6.3.0]undecane-based sesquiterpene (±)-asterisca-3(15),6-diene. Revision of the relative stereochemistry of the natural product

Goverdhan Mehta* and Jayant D. Umarye

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



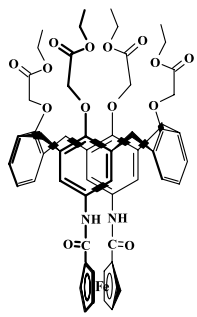
*Tetrahedron Letters 42 (2001) 8105*

## Lower rim tetra-substituted and upper rim ferrocene amide calix[4]arenes: synthesis, conformation and anion-binding properties

Boosayarat Tomapatanaget and Thawatchai Tuntulani*

*Department of Chemistry, Faculty of Science, Chulalongkorn University, Bangkok 10330, Thailand*

Calix[4]arenes containing ethoxycarbonylmethoxy or methoxy groups at the lower rim and ferrocene amide moieties at the upper rim have been synthesized and their anion-binding and conformational properties have been investigated by $^1$H NMR spectroscopy.



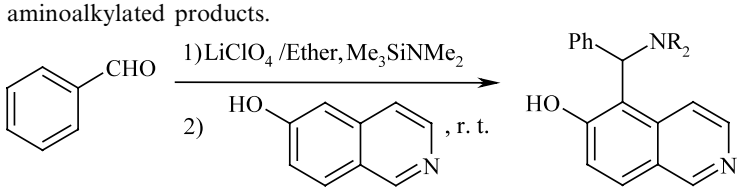
*Tetrahedron Letters 42 (2001) 8111*

## Lithium perchlorate assisted one-pot three-component aminoalkylation of electron-rich aromatic compounds

Mohammad R. Saidi,* Najmoddin Azizi and M. Reza Naimi-Jamal

*Department of Chemistry, Sharif University of Technology, PO Box 11345-9516, Tehran, Iran*

Reaction of electron-rich aromatic compounds with iminium salts prepared in situ, in an ether solution of lithium perchlorate, afforded the aminoalkylated products.

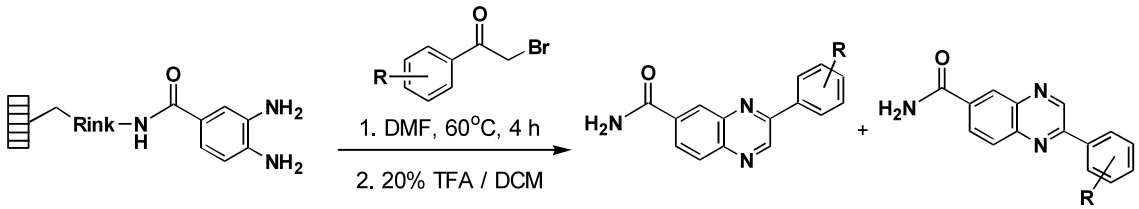


Tetrahedron Letters 42 (2001) 8115

## Solid-phase synthesis of quinoxalines on SynPhase™ Lanterns

Zemin Wu* and Nicholas J. Ede

*Mimotopes Pty Ltd, 11 Duerdin Street, Clayton, VIC 3168, Australia*

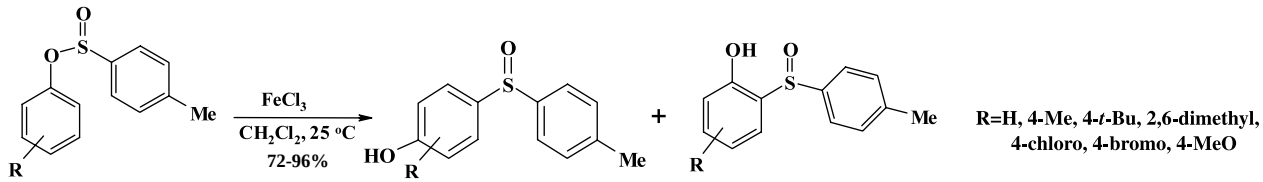



Tetrahedron Letters 42 (2001) 8119

## $FeCl_3$ as an efficient and new catalyst for the thia-Fries rearrangement of aryl sulfinates

Firouz Matloubi Moghaddam,* Mohammad G. Dekamin and Mohammad Ghaffarzadeh

*Department of Chemistry, Sharif University of Technology, PO Box 11365-9516, Tehran, Iran*




(1) (2) (3)

Tetrahedron Letters 42 (2001) 8123

## Beckmann rearrangement in the solid state: reaction of oxime hydrochlorides

Sosale Chandrasekhar* and Kovuru Gopalaiah

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