

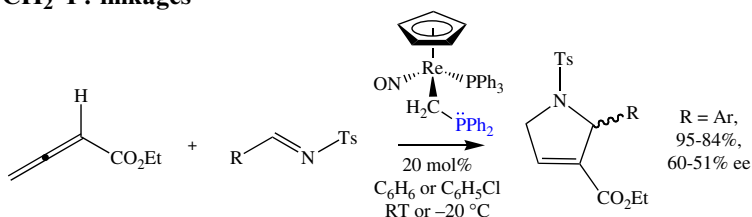
Contents

COMMUNICATIONS

A promising new catalyst family for enantioselective cycloadditions involving allenes and imines: chiral phosphines with transition metal-CH₂-P: linkages

pp 6335–6337

Alexander Scherer and J. A. Gladysz*



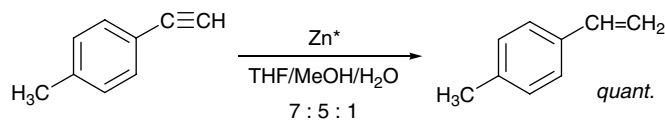
Phosphines that feature coordinatively saturated metal fragments β to the phosphorus exhibit enhanced Lewis basicities and nucleophilicities. The readily available chiral rhenium complex **3** catalyzes [3+2] cycloadditions imines and allenes in high yields with ee values of 61–51%.



Rieke zinc as a reducing agent for common organic functional groups

pp 6339–6341

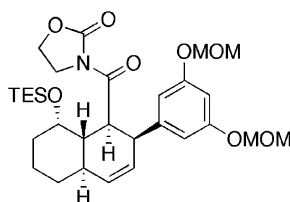
Jeremy Kroemer, Chris Kirkpatrick, Brian Maricle, Rick Gawrych, Michael D. Mosher and Don Kaufman*



Stereoselective construction of the octalin unit of symbioimine using an intramolecular Diels–Alder reaction

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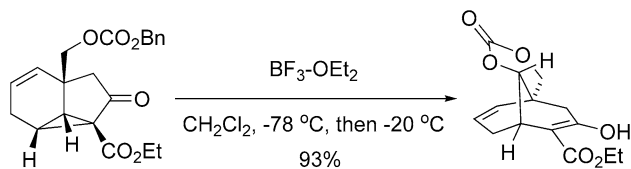
Emi Sakai, Keisuke Araki, Hiroyoshi Takamura and Daisuke Uemura*



New construction of the bicyclo[3.3.1]nonane system via Lewis acid promoted regioselective ring-opening reaction of the tricyclo[4.4.0.0^{5,7}]dec-2-ene derivative

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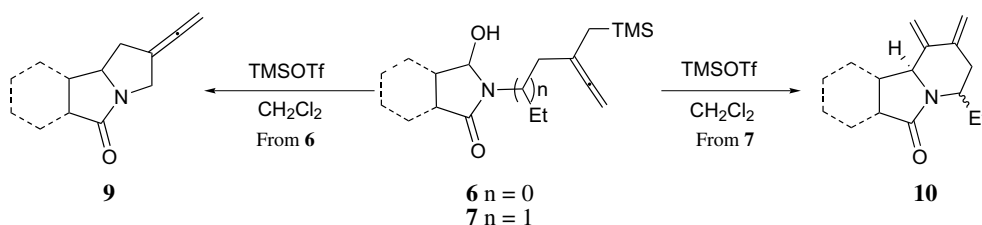
Masahito Abe and Masahisa Nakada*



N-Acyliminium ion cyclizations of trimethylsilylmethylallenes

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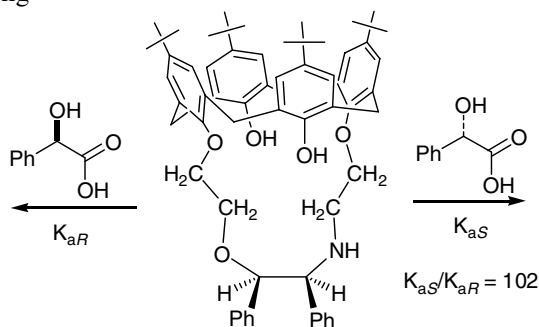
Sang Hee Kim, Hyung Gyu Kim, Hyunah Choo, Joo Hwan Cha, Ae Nim Pae, Hun Yeong Koh,* Bong Young Chung and Yong Seo Cho*



Chiral nitrogen-containing calix[4]crown—an excellent receptor for chiral recognition of mandelic acid

pp 6357–6360

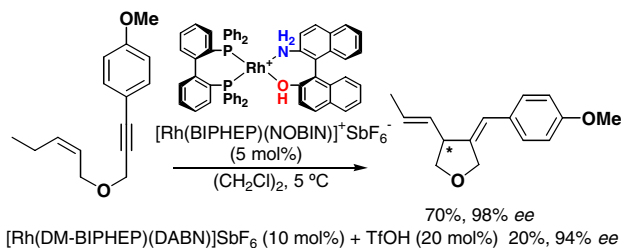
Xian-Xian Liu and Yan-Song Zheng*



Chiral aminoalcohol NOBIN for instantaneous chirality control of racemic but *tropos* BIPHEP–Rh(I)-complexes: highly enantioselective ene-type cyclization of 1,6-enynes catalyzed by the Rh(I)-complexes without use of acid

pp 6361–6364

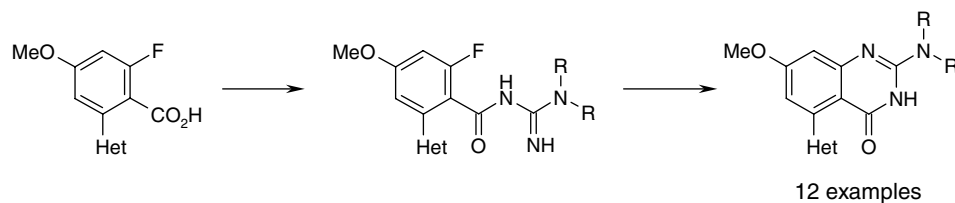
Koichi Mikami,* Shohei Kataoka, Kazuki Wakabayashi and Kohsuke Aikawa



Synthesis of substituted 2-amino-4-quinazolinones via *ortho*-fluorobenzoyl guanidines

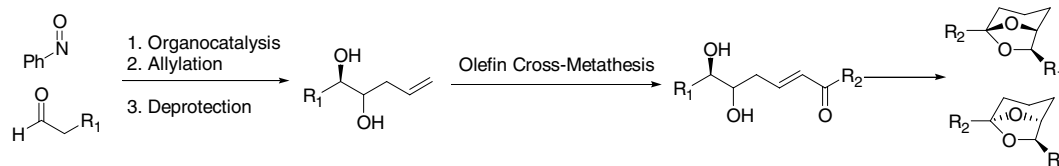
pp 6365–6368

M. Jonathan Fray,* John P. Mathias, Carly L. Nichols, Yvonne M. Po-Ba and Hayley Snow

**Efficient total synthesis of (+)-*exo*-, (–)-*endo*-brevicomins and their derivatives via asymmetric organocatalysis and olefin cross-metathesis**

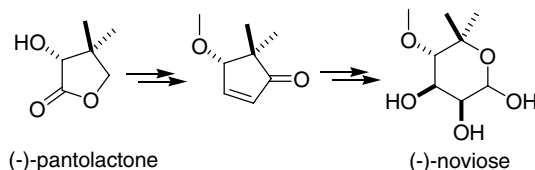
pp 6369–6372

Sung-Gon Kim,* Tae-Ho Park and Bong Jin Kim

**Enantiospecific synthesis of (–)-*D*-noviose from (–)-pantolactone**

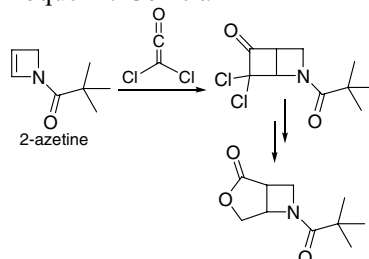
pp 6373–6375

D. Srinivasa Reddy,* Gujjary Srinivas, B. M. Rajesh, M. Kannan, Trideep V. Rajale and Javed Iqbal

**A new entry to the synthesis of substituted azetidines: [2+2] cycloaddition reaction of four-membered endocyclic enamides to ketenes**

pp 6377–6380

Antonio Carlos B. Burtoloso and Carlos Roque D. Correia*



The first example of a [2+2] cycloaddition reaction of a four-membered endocyclic enamide (2-azetine) to dichloroketene is described and constitutes a new entry to the synthesis of substituted azetidines.

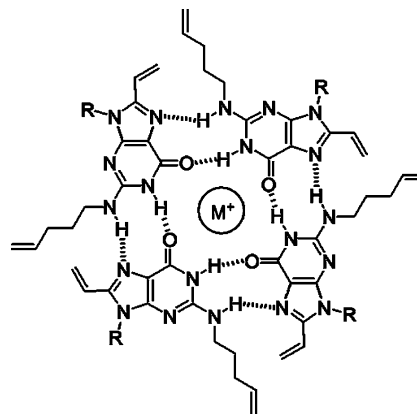


N2, C8-disubstituted guanosine derivatives can form G-quartets

Mark S. Kaucher and Jeffery T. Davis*

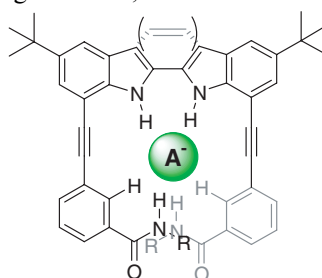
pp 6381–6384

A lipophilic guanosine with alkene groups attached to the nucleobase's N2 and C8 positions was synthesized with the intent of using olefin cross-metathesis to covalently capture an individual G-quartet. Modification of the N2 and C8 positions gave a derivative that formed a stable G-quartet structure in the presence of a cation template. This is the first example of a N2, C8-disubstituted guanosine forming a G-quartet.

**Biindolyl-based molecular clefts that bind anions by hydrogen-bonding interactions**

Kyoung-Jin Chang, Min Kyung Chae, Changsoon Lee, Ji-Yeon Lee and Kyu-Sung Jeong*

pp 6385–6388

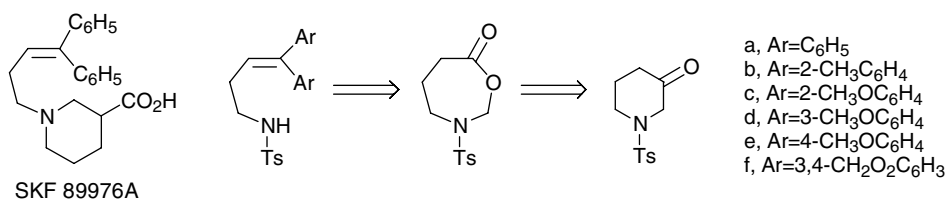


Molecular clefts that consist of two indole NHs and two amide NHs were prepared and bind anions by multiple hydrogen bonds in a convergent manner.

New synthesis of SKF 89976A

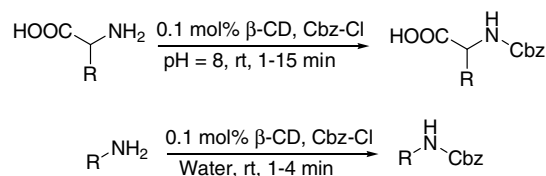
Meng-Yang Chang,* Si-Yun Wang and Chun-Li Pai

pp 6389–6392

**Aqueous phase mono-protection of amines and amino acids as N-benzyloxycarbonyl derivatives in the presence of β-cyclodextrin**

V. Pavan Kumar, M. Somi Reddy, M. Narender, K. Surendra, Y. V. D. Nageswar and K. Rama Rao*

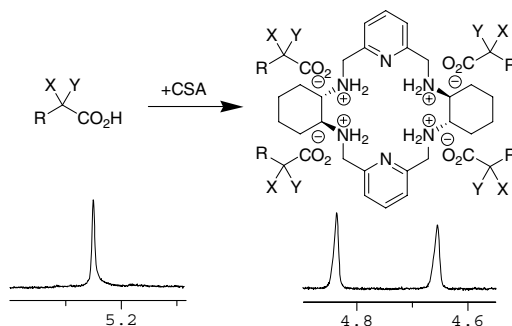
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An azamacrocyclic receptor as efficient polytopic chiral solvating agent for carboxylic acids

pp 6397–6400

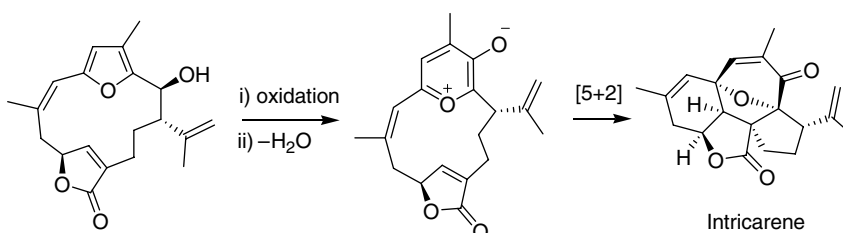
Almudena González-Álvarez, Ignacio Alfonso* and Vicente Gotor*



A biomimetic total synthesis of (+)-intricarene

pp 6401–6404

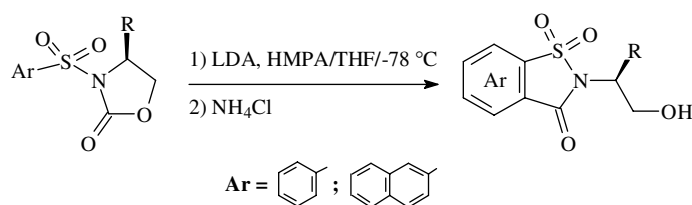
Bencan Tang, Christopher D. Bray and Gerald Pattenden*



Efficient access to chiral N-substituted saccharin analogues via the directed *ortho*-lithiation of 3-N-arylsulfonyloxazolidin-2-ones

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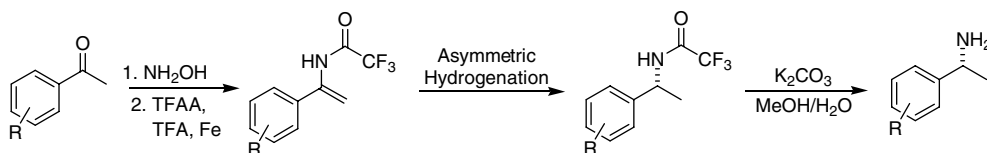
A. Ould Aliyenne, J. E. Khiari, J. Kraïem, Y. Kacem and B. Ben Hassine*



Efficient synthesis of chiral phenethylamines: preparation, asymmetric hydrogenation, and mild deprotection of ene-trifluoroacetamides

pp 6409–6412

Shawn P. Allwein,* J. Christopher McWilliams,* Elizabeth A. Secord, Dale R. Mowrey, Todd D. Nelson and Michael H. Kress

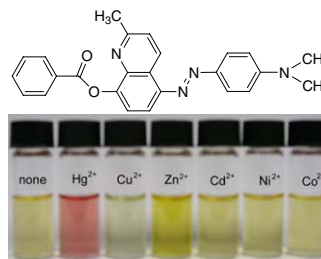


Azo 8-hydroxyquinoline benzoate as selective chromogenic chemosensor for Hg²⁺ and Cu²⁺

pp 6413–6416

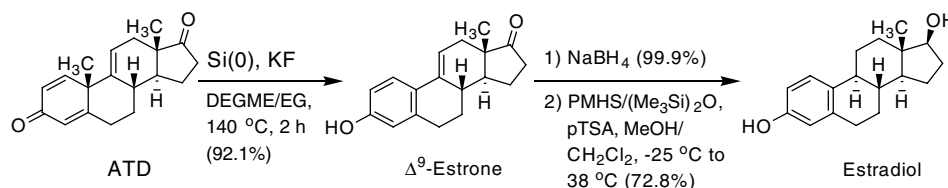
Yun-Fei Cheng, Da-Tong Zhao, Meng Zhang, Zhi-Qiang Liu, Yi-Feng Zhou, Tian-Min Shu, Fu-You Li,* Tao Yi and Chun-Hui Huang*

Distinct color change was found for azo 8-hydroxyquinoline benzoate (**2**) upon addition of Hg²⁺ or Cu²⁺ in CH₃CN, which allows for detection of Hg²⁺ or Cu²⁺ from other metal ions by the ‘naked eye’.

**An environmentally friendly and cost effective synthesis of estradiol featuring two novel reagents: Si(0)/KF and PMHS/hexamethyldisiloxane/pTSA**

pp 6417–6420

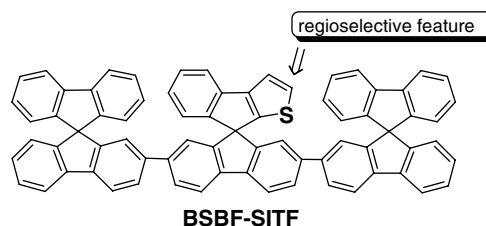
Chongsoo Lim, Gerald N. Evenson, William R. Perrault and Bruce A. Pearlman*

**An efficient synthesis of novel spiro[[8H]indeno[2,1-b]thiophene-8,9'-fluorene] building block for blue light-emitting materials**

pp 6421–6424

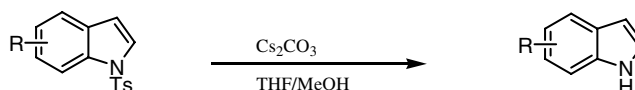
Ling-Hai Xie, Ting Fu, Xiao-Ya Hou, Chao Tang, Yu-Ran Hua, Rui-Jie Wang, Qu-Li Fan, Bo Peng, Wei Wei and Wei Huang*

We have developed efficient synthetic routes to obtain a novel building block spiro[[8H]indeno[2,1-b]thiophene-8,9'-fluorene] (SITF) and constructed a blue light-emitting material 2',7'-bis-(9,9'-spirobifluorene-2-yl)spiro[[8H]indeno[2,1-b]thiophene-8,9'-fluorene] (BSBF-SITF). Light-emitting materials based on SITF with unique regioselective feature will be promising for constructing complicated optoelectrical systems.

**Deprotection of N-tosylated indoles and related structures using cesium carbonate**

pp 6425–6427

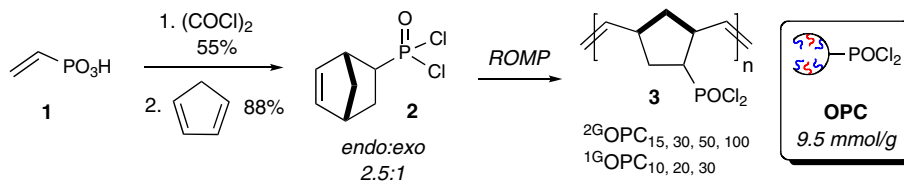
Joginder S. Bajwa,* Guang-Pei Chen, Kapa Prasad, Oljan Repič and Thomas J. Blacklock



High-load, oligomeric phosphonyl dichloride: facile generation via ROM polymerization and application to scavenging amines

pp 6429–6432

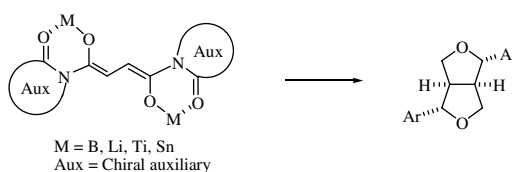
Russell H. Herpel, Punitha Vedantham, Daniel L. Flynn* and Paul R. Hanson*



Stereoselective total synthesis of furofuran lignans through dianion aldol condensation

pp 6433–6437

Jae-Chul Jung, Ju-Cheun Kim, Hyung-In Moon and Oee-Sook Park*

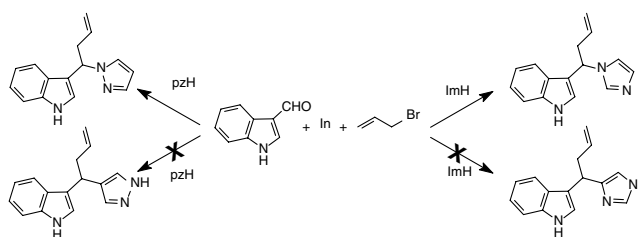


Stereoselective total synthesis of (+)-eudesmin, (+)-yangambin, (-)-eudesmin, and (-)-yangambin is described.

Allylindation of 1H-indole-3-carboxaldehyde in the presence of azoles—revisited

pp 6439–6443

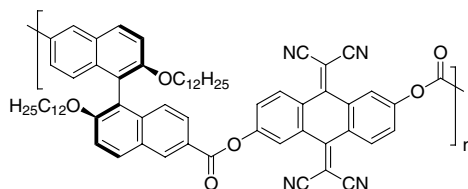
Giancarlo Cravotto, Giovanni B. Giovenzana, Angelo Maspero, Tullio Pilati, Andrea Penoni and Giovanni Palmisano*



Synthesis of an optically active electron-acceptor tetracyanoanthraquinodimethane (TCAQ) main-chain polyester

pp 6445–6448

Rafael Gómez, José L. Segura* and Nazario Martín*

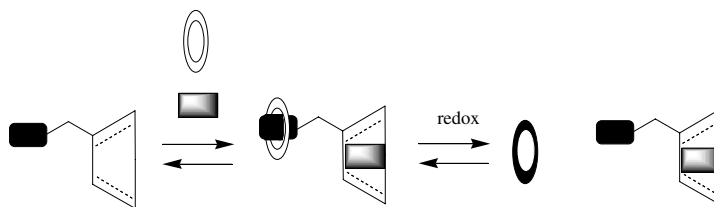


The synthesis, electrochemical and preliminar photophysical investigation of the first copolymer containing TCAQ moieties in the main chain is described.

An electrochemically tuneable cyclodextrin-based molecular adapter

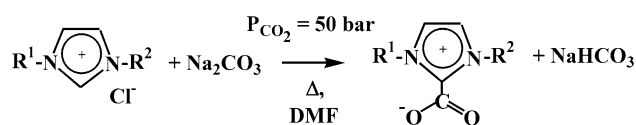
pp 6449–6452

Graeme Cooke,* Patrice Woisel, François Delattre, Marc Bria, James F. Garety, Shanika Gunatiliaka Hewage and Gouher Rabani

Synthesis of 1,3-dialkylimidazolium-2-carboxylates by direct carboxylation of 1,3-dialkylimidazolium chlorides with CO₂

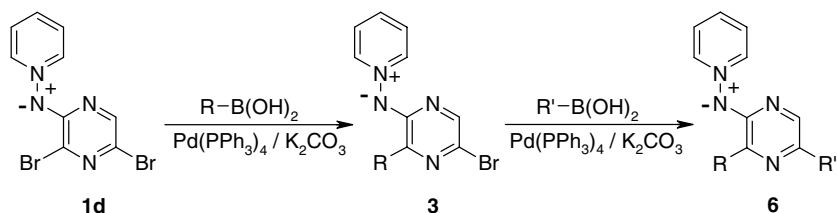
pp 6453–6456

Immacolata Tommasi* and Fabiana Sorrentino

1a R¹ = R² = CH₃1b R¹ = CH₃, R² = ⁿBuRegioselective Suzuki coupling on pyridinium *N*-(3,5-dibromoheteroar-2-yl)aminides

pp 6457–6460

M. José Reyes, Rafael Castillo, M. Luisa Izquierdo and Julio Alvarez-Builla*

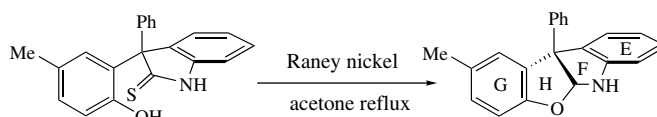


Regioselective cross-coupling reaction over 3',5'-dibromo pyridinium *N*-(2'-pirazinyl)aminide **1d** afforded 3'-aryl-5'-bromopyridinium *N*-(2'-pirazinyl)aminides **3** in good yields as intermediates in the synthesis of isomeric 3',5'-diaryl pyridinium *N*-(2'-aziny)aminides **6**.

Methodology for the synthesis of the core EFGH rings of diazonamide A

pp 6461–6464

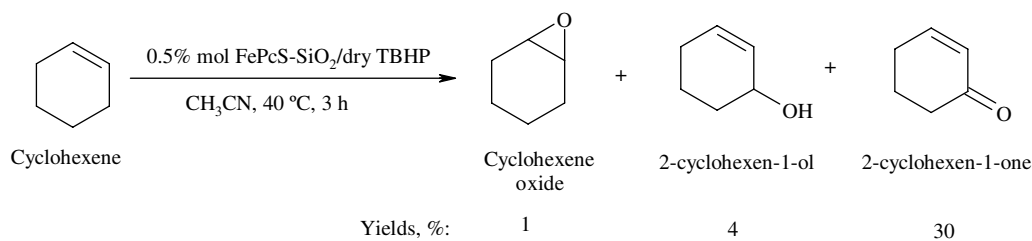
Philip Magnus* and Rachel Turnbull



Allylic oxidation of cyclohexene over silica immobilized iron tetrasulfophthalocyanine

pp 6465–6468

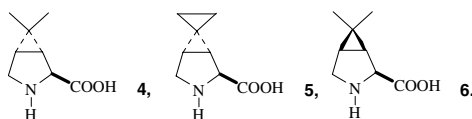
Lina M. González, Aída L. Villa de P.,* Consuelo Montes de C. and Alexander Sorokin



Syntheses of dipeptides containing (1*R*,5*S*)-6,6-dimethyl-3-azabicyclo[3.1.0]hexane-2(*S*)-carboxylic acid (4), (1*R*,5*S*)-spiro[3-azabicyclo[3.1.0]hexane-6,1'-cyclopropane]-2(*S*)-carboxylic acid (5) and (1*S*,5*R*)-6,6-dimethyl-3-azabicyclo[3.1.0]hexane-2(*S*)-carboxylic acid (6)

pp 6469–6472

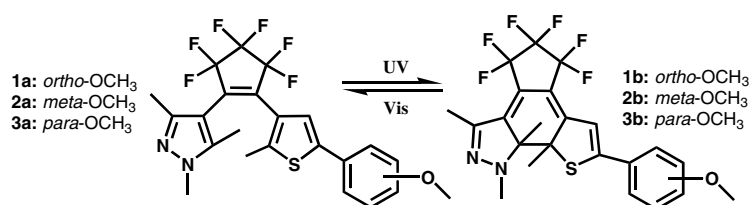
Siska Hendrata, Frank Bennett,* Yuhua Huang, Mousumi Sannigrahi, Patrick A. Pinto, Tze-Ming Chan, C. Anderson Evans, Rebecca Osterman, Alexei Buevich and Andrew. T. McPhail*



Syntheses and properties of new photochromic diarylethene derivatives having a pyrazole unit

pp 6473–6477

Shouzhi Pu,* Tianshe Yang, Jingkun Xu and Bing Chen



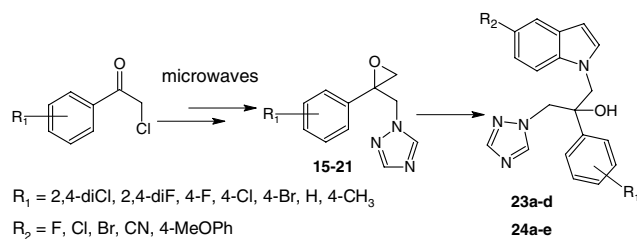
New photochromic diarylethene derivatives having a pyrazole unit were synthesized and their optical and electrochemical properties examined.

Efficient microwave-assisted synthesis of 1-(1*H*-indol-1-yl)-2-phenyl-3-(1*H*-1,2,4-triazol-1-yl)propan-2-ols as antifungal agents

pp 6479–6483

Nicolas Lebouvier, Francis Giraud, Typhanie Corbin, Young Min Na, Guillaume Le Baut, Pascal Marchand and Marc Le Borgne*

New conazole antifungals, in the series of triazole alcohols **23a–d** and **24a–e** incorporating an indole moiety substituted at 5-position by halogens, a cyano or 4-methoxyphenyl group, have been synthesized by ring opening of corresponding oxiranes **15** and **16**. These dihalogeno intermediates and their congeners could be prepared in high yields by Corey–Chaykovsky reaction under microwave irradiation.



OTHER CONTENTS**Calendar****p I**

*Corresponding author

①* Supplementary data available via ScienceDirect

COVER

We report the synthesis of a cyclodextrin-based molecular adapter that has the propensity to form an electrochemically tuneable ternary complex with the tetracationic cyclophane cyclobis (paraquat-*p*-phenylene) and ferrocene in non-aqueous and aqueous environments. The ability to form and subsequently disassemble the ternary complex, paves-the-way for the reversible modification of appropriately functionalised biomolecules, synthetic polymers and surfaces. *Tetrahedron Letters* **2006**, *47*, 6449–6452.

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