

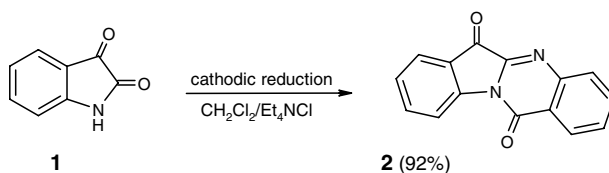
Contents

COMMUNICATIONS

Electrosynthesis of tryptanthrin

Belen Batanero and Fructuoso Barba*

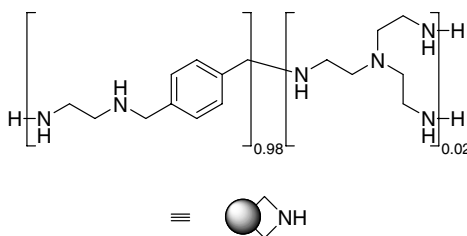
pp 8201–8203



Highly-loaded amphiphilic polyimino resin: quench reagent and solid support for peptide synthesis

Houcine Rahali and Didier Stien*

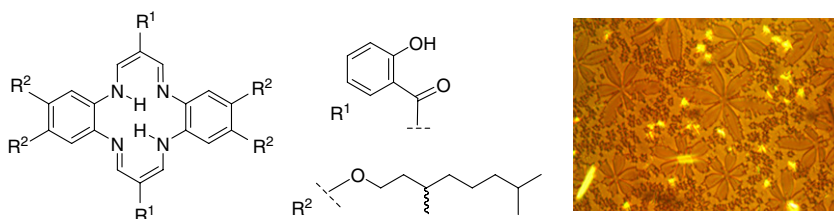
pp 8205–8207



A new liquid crystalline derivative of dibenzotetraaza[14]annulene: synthesis, characterization and the preliminary evaluation of mesomorphic properties

Jarosław Grolik, Lesław Sieroń and Julita Eilmes*

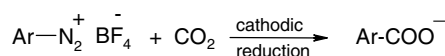
pp 8209–8213



Facile electrochemical transformation of diazonium salts into carboxylic acids

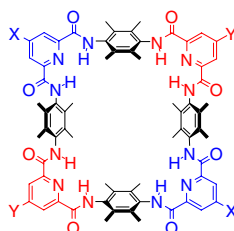
pp 8215–8216

M. Dolores Otero, Belen Batanero and Fructuoso Barba*

**Macrocycles with two exclusive hydrogen-bonding modes**

pp 8217–8220

Min Kyung Chae, Geun-Young Cha and Kyu-Sung Jeong*

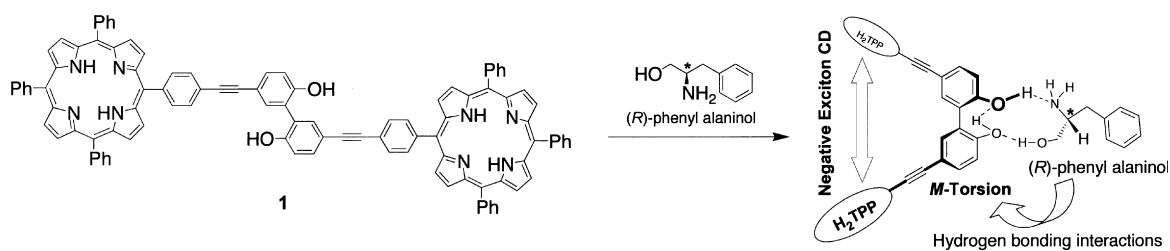


A series of large, 44-membered macrocycles were efficiently synthesized and characterized, which have two exclusive binding modes in a diagonal manner.

2,2'-Biphenyldiol-bridged bis(free base porphyrin): synthesis and chiroptical probing of asymmetric amino alcohols

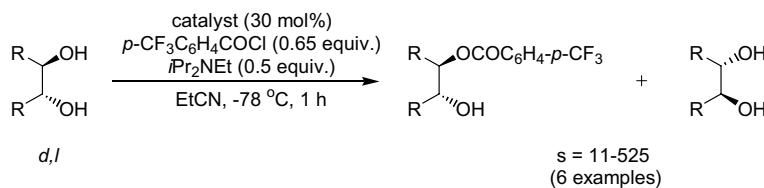
pp 8221–8225

Yusuke Ishii, Yoichi Onda and Yuji Kubo*

**Kinetic resolution of *d,l*-1,2-diols catalyzed by amine-phosphinite bifunctional organocatalysis derived from quinidine**

pp 8227–8229

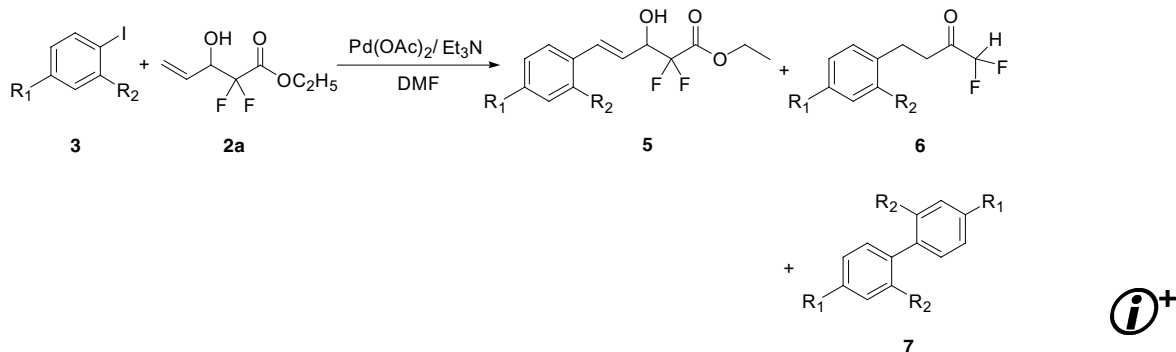
Shinya Mizuta, Yutaka Ohtsubo, Takeo Tsuzuki, Tetsuya Fujimoto* and Iwao Yamamoto



Palladium-catalyzed arylation of α,α -difluoro-allylic- β -hydroxyester

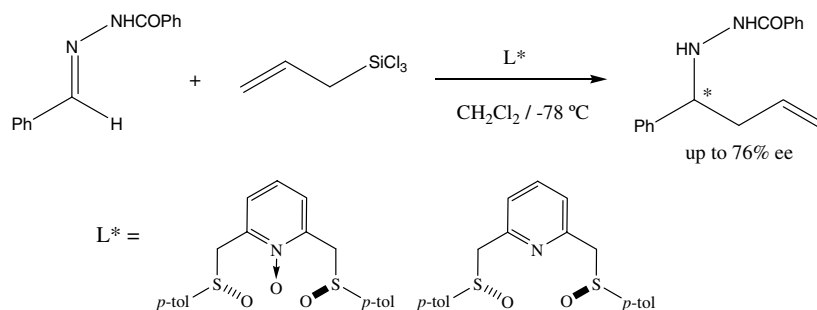
pp 8231–8234

Xiang Fang, Xueyan Yang, Xianjin Yang, Min Zhao, Guorong Chen and Fanhong Wu*

**Asymmetric allylation of *N*-benzoylhydrazones promoted by novel C_2 -symmetric bis-sulfoxide organocatalysts**

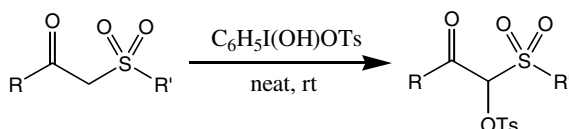
pp 8235–8238

Fred García-Flores, Luz S. Flores-Michel and Eusebio Juaristi*

**Solvent-free facile synthesis of novel α -tosyloxy β -keto sulfones using [hydroxy(tosyloxy)iodo]benzene**

pp 8239–8241

Dalip Kumar,* M. Swapna Sundaree, Gautam Patel, V. S. Rao and Rajender S. Varma*

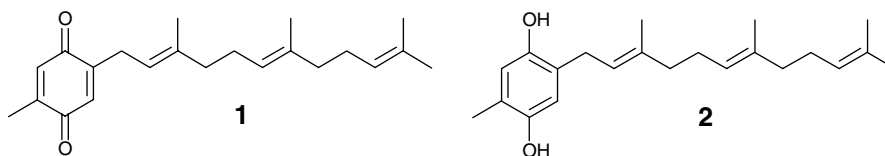


A facile, general and high yielding protocol for the synthesis of novel α -tosyloxy β -keto sulfones is described utilizing relatively non-toxic, [hydroxy(tosyloxy)iodo]benzene, under solvent-free conditions at room temperature.

Synthesis of triprenylated toluquinone and toluhydroquinone metabolites from a marine-derived *Penicillium* fungus

pp 8243–8246

Brent A. Scheepers, Rosalyn Klein and Michael T. Davies-Coleman*



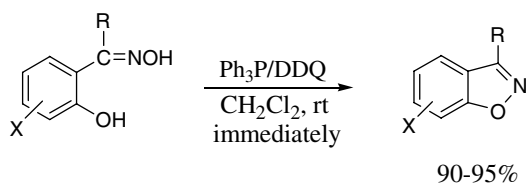
Marine fungal metabolites **1** and **2** were synthesized from 2-methyl-1,4-benzoquinone in four and five steps, respectively.



A novel method for the highly efficient synthesis of 1,2-benzisoxazoles under neutral conditions using the $\text{Ph}_3\text{P}/\text{DDQ}$ system

pp 8247–8250

Nasser Iranpoor,* Habib Firouzabadi* and Najmeh Nowrouzi



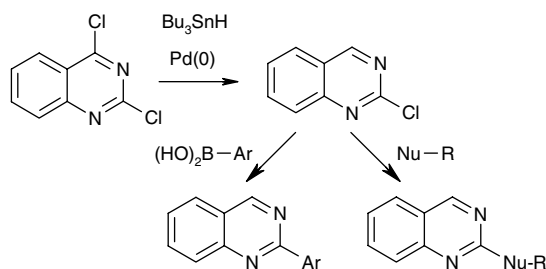
R = H, alkyl, aryl

X = H, CH_3 , C_2H_5 , OH, OCH_3 , Br

2-Chloroquinazoline. Synthesis and reactivity of a versatile heterocyclic building block

pp 8251–8254

Signe Teuber Henriksen and Ulrik Svane Sørensen*



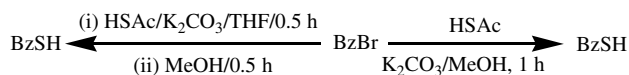
A Stille-type coupling using tributyltin hydride as a mild and selective way of converting 2,4-dichloroquinazoline to 2-chloroquinazoline and the reactivity of this heterocyclic building block is discussed.



Mild and efficient methods for the conversion of benzylic bromides to benzylic thiols

pp 8255–8258

Chien-Chung Han* and R. Balakumar

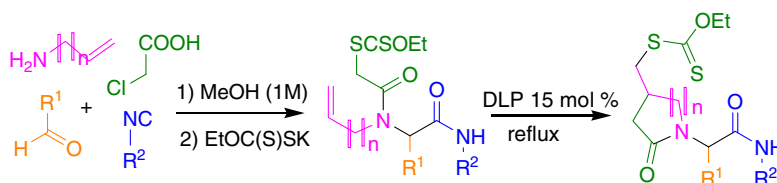


Very mild and efficient methods have been developed to synthesize benzylic thiols from benzylic bromides at room temperature to give 94–99% yield within 1 h under N_2 .

Ugi/xanthate cyclizations as a radical route to lactam scaffolds

pp 8259–8261

Laurent El Kaïm,* Laurence Grimaud, Luis Demetrio Miranda* and Emilie Vieu

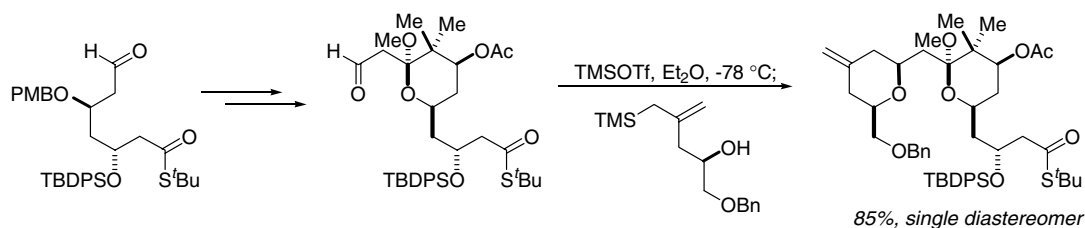


A new preparation of lactams by a two step Ugi/xanthate radical cyclization procedure.

Anti-AIDS agents 68. The first total synthesis of a unique potent anti-HIV chalcone from genus *Desmos* pp 8263–8266
 Kyoko Nakagawa-Goto and Kuo-Hsiung Lee*



Synthetic studies toward bryostatin 1: preparation of a C₁–C₁₆ fragment by pyran annulation pp 8267–8270
 Gary E. Keck,* Dennie S. Welch and Yam B. Poudel



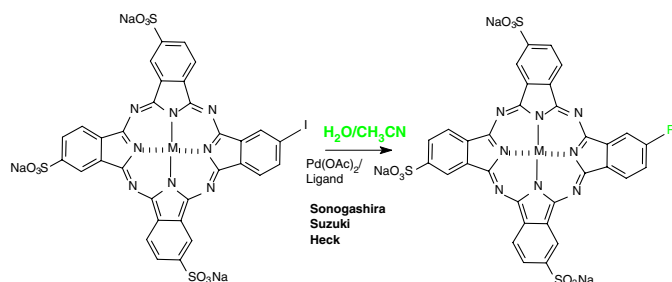
Synthesis of hexopyranosyl acetates and 2,3-disubstituted tetrahydropyrans via chemoselective hydrogenation of hex-2-enopyranosyl acetates pp 8271–8274

Kaname Sasaki, Takayuki Wakamatsu, Shuichi Matsumura and Kazunobu Toshima*



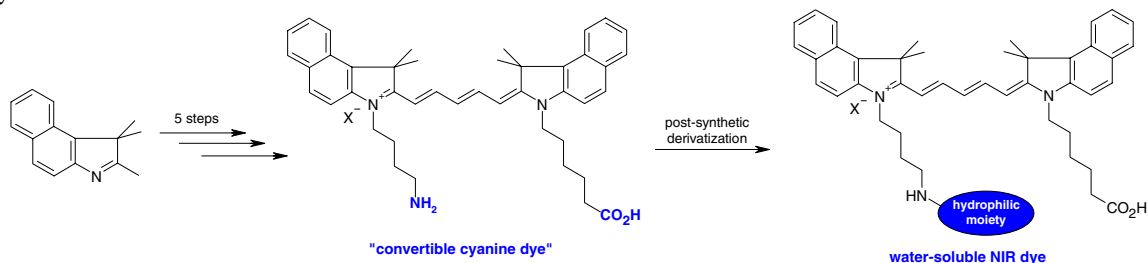
Functionalization of sulfophthalocyanines in aqueous medium by palladium-catalyzed cross-coupling reactions pp 8275–8278

Hasrat Ali, Olivier St-Jean, Jean-Philip Tremblay-Morin and Johan E. van Lier*



Synthesis and post-synthetic derivatization of a cyanine-based amino acid. Application to the preparation of a novel water-soluble NIR dye

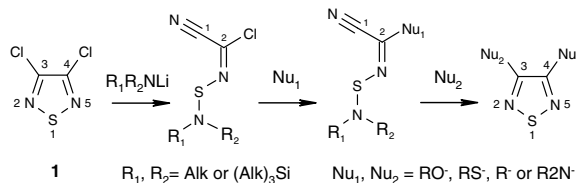
Bertrand Chipon, Guillaume Clavé, Cédric Bouteiller, Marc Massonneau, Pierre-Yves Renard* and Anthony Romieu*



The ring opening of 3,4-dichloro-1,2,5-thiadiazole with metal amides. A new synthesis of 3,4-disubstituted-1,2,5-thiadiazoles

pp 8285–8288

Alain Merschaert,* Pascal Boquel, Hugo Gorissen, Jean-Pierre Van Hoeck, Alfio Borghese, Luc Antoine, Vincent Mancuso, Anne Mockel and Michel Vanmarsenille

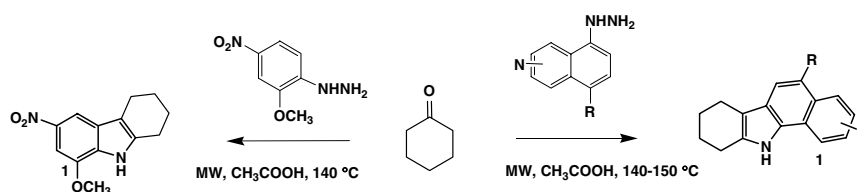


We have developed a new synthesis of 3,4-disubstituted-1,2,5-thiadiazoles. The methodology is based on the ring opening of readily available 3,4-dichloro-1,2,5-thiadiazole with metal amides to afford a stable synthon, which is then transformed into the 3,4-disubstituted-1,2,5-thiadiazole derivatives via two consecutive reactions with O-, S-, N- or C-nucleophiles.

Microwave-assisted one-pot synthesis of substituted tetrahydrocarbazole and 8,9,10,11-tetrahydro-7H-pyrido[a]carbazoles

pp 8289–8292

Vera Barbieri and Maria Grazia Ferlin*



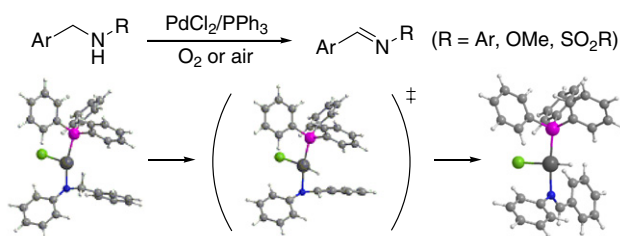
Optimization procedures of process variables, power, temperature, and irradiation time are reported in detail for microwave Fischer indole synthesis of substituted tetrahydrocarbazole and tetrahydropyridocarbazole derivatives.



Palladium-catalyzed aerobic oxidation of amines

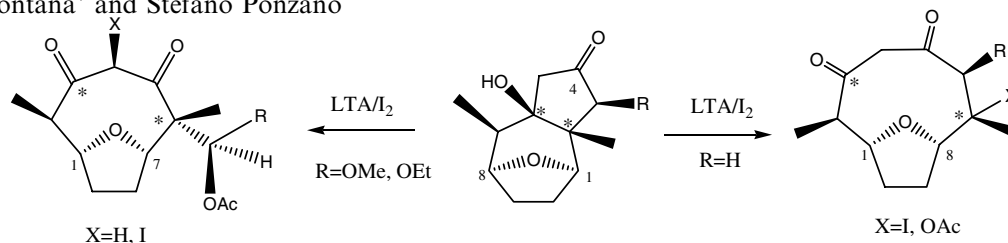
pp 8293–8297

Jia-Rui Wang, Yao Fu, Bei-Bei Zhang, Xin Cui, Lei Liu* and Qing-Xiang Guo*



Synthesis of 1,7-epoxycyclononanes and 1,8-epoxycyclodecanes by β -fragmentation reactions using LTA and I_2 pp 8299–8304

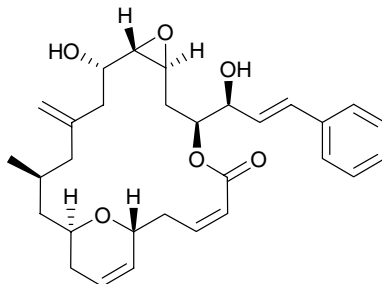
Ángel M. Montaña* and Stefano Ponzano



The treatment of derivatives on C3 of 6-hydroxy-2,7-dimethyl-11-oxatricyclo[6.2.1.0^{2,6}]undecan-4-one with lead tetraacetate and iodine, gave, in a good yield, 1,7-epoxycyclononanes or 1,8-epoxycyclodecanes, depending on the type of substitution in α to the ketone on C4 of substrates.

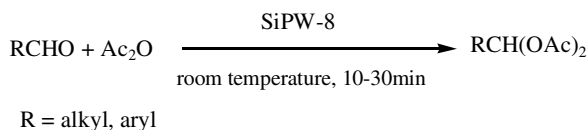
Synthetic studies on a phenyl-laulimalide analogue pp 8305–8308

Christelle Faveau, Martine Mondon, Jean-Pierre Gesson,* Tobias Mahnke, Sandra Gebhardt and Ulrich Koert*



Heteropolyacid encapsulated into mesoporous silica framework for an efficient preparation of 1,1-diacetates from aldehydes under a solvent-free condition pp 8309–8312

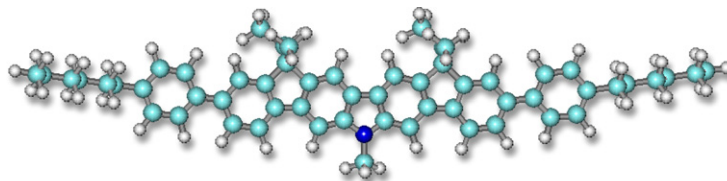
Jianmin Wang, Liang Yan, Guang Qian, Keli Yang, Haitao Liu and Xiaolai Wang*



Acylals were efficiently prepared from aliphatic and aromatic aldehydes using mesoporous silica with heteropolyacid encapsulated into their framework (SiPW-8) as catalysts by a solvent-free procedure.

Novel bisindenocarbazole derivative exhibiting a nematic mesophase pp 8313–8317

Martin Sonntag and Peter Strohrriegl*

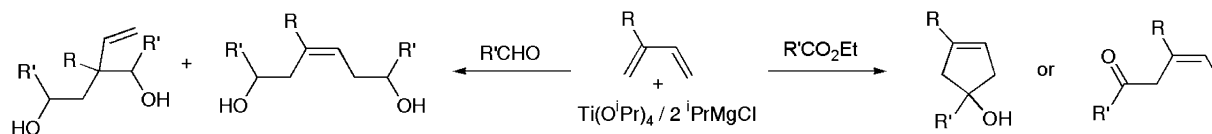


In this letter we describe the synthesis of the first liquid crystalline bisindenocarbazole derivative. The novel bisindenocarbazole exhibits a broad nematic mesophase between 180 and 250 °C, which was characterized by polarizing microscopy and small angle X-ray scattering. The material shows an excellent electrochemical stability and a strong blue fluorescence with a quantum yield of 49% in solution.

Reactions of dicarbanion equivalents generated from complexation of 1,3-dienes on Ti(II) moiety

pp 8319–8322

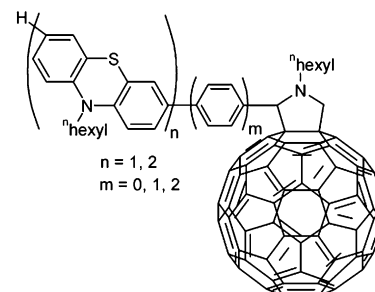
Johann Baraut, Arnaud Perrier, Virginie Comte, Philippe Richard, Pierre Le Gendre* and Claude Moïse*

**First syntheses and electronic properties of (oligo)phenothiazine–C₆₀ dyads**

pp 8323–8327

Nadine Bucci and Thomas J. J. Müller*

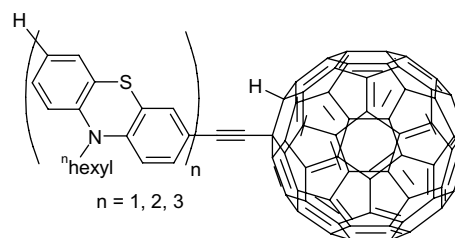
(Oligo)phenothiazine–C₆₀-dyads are synthesized by a three-component condensation–cycloaddition. Cyclic voltammetry shows that donor and acceptor are decoupled in the ground state, whereas upon UV excitation a considerable fluorescence quenching is observed.

**Synthesis and electronic properties of (oligo)phenothiazine-ethynyl-hydro-C₆₀ dyads**

pp 8329–8332

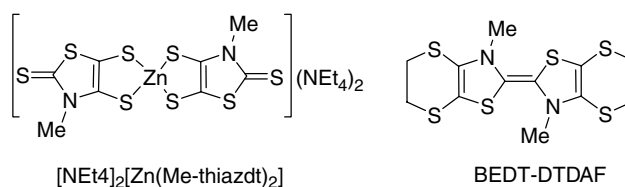
Nadine Bucci and Thomas J. J. Müller*

(Oligo)phenothiazine-ethynyl-hydro-C₆₀ dyads are synthesized by addition of the corresponding acetylides to C₆₀ followed by protonation. Cyclic voltammetry shows that donor and acceptor are decoupled in the ground state, whereas upon UV excitation considerable fluorescence quenching is observed.

**1,3-Thiazoline-2-thione-4,5-dithiolato, an efficient building block towards functionalized dithiadiazafulvalenes**

pp 8333–8336

Samar Eid, Michel Guerro and Dominique Lorcy*

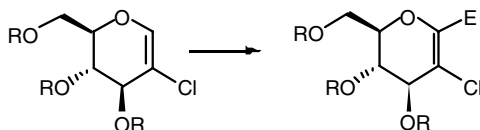


A simple and efficient approach to *N*-methyl-1,3-thiazoline-2-thione-4,5-dithiolate, easily isolated as its zinc dithiolene complex, has been developed. The reactivity of this dithiolene complex as a nucleophilic dithiolate synthon and as a precursor of the air sensitive electron rich olefine, the bis ethylenedithiodithiadiazafulvalene (BEDT–DTDAF), is also described.

The lithiation of 2-chloroglucal derivatives

pp 8337–8341

Ewan Boyd, Michael R. Hallett, Ray V. H. Jones, James E. Painter, Prakash Patel, Peter Quayle* and Anita J. Waring (née Potts)

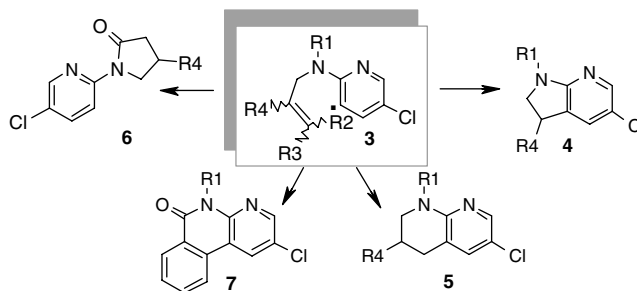


The metallation of 2-chloroglucals is described.

Pyridinium *N*-2'-pyridylaminide: radical cyclization in the synthesis of annulated 2-aminopyridines

pp 8343–8346

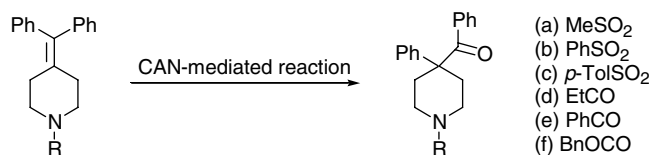
Aránzazu Sánchez, Araceli Núñez, Carolina Burgos* and Julio Alvarez-Builla*



CAN-mediated rearrangement of 4-benzhydrylidene piperidines

pp 8347–8350

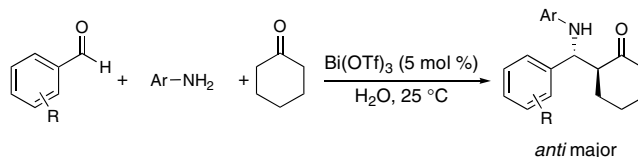
Meng-Yang Chang,* Tsun-Cheng Wu, Chun-Yu Lin and Ching-Yi Hung



Direct-type catalytic three-component Mannich reaction in aqueous media

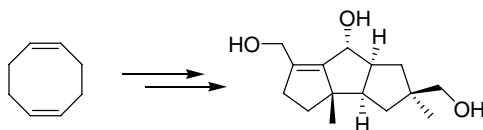
pp 8351–8354

Thierry Ollevier,* Etienne Nadeau and Andrée-Anne Guay-Bégin



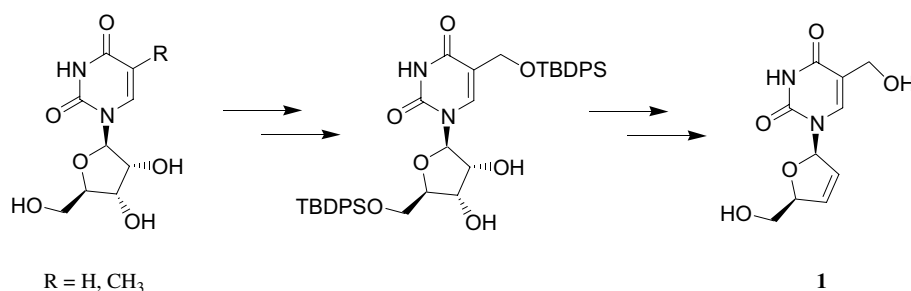
Total synthesis of the putative structure of the novel triquinane based sesquiterpenoid natural product dichomitol pp 8355–8360

Goverdhan Mehta* and Kotapalli Pallavi


Alternative synthetic routes to 2',3'-didehydro-2',3'-dideoxy-5-hydroxymethyluridine

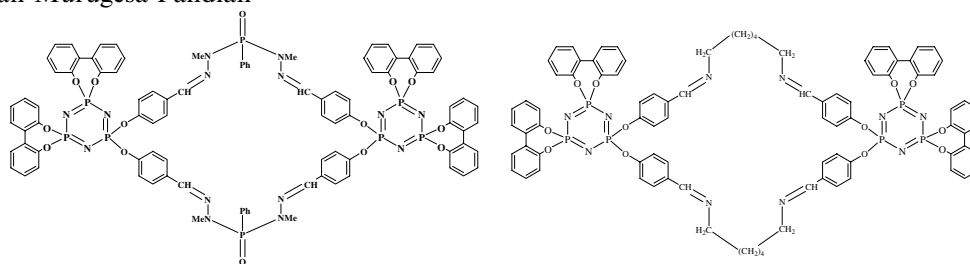
pp 8361–8363

Raymond Chung and Karen S. Anderson*


36- and 42-Membered cyclophosphazene-containing macrocycles

pp 8365–8368

Vadapalli Chandrasekhar,* Gurusamy Thangavelu Senthil Andavan, Ramachandran Azhakar and Balasubramanian Murugesu Pandian

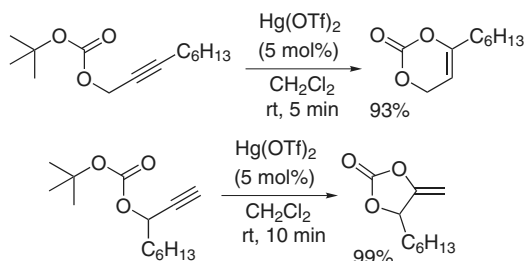


Novel 36- and 42-membered cyclophosphazene-containing macrocycles were obtained by [2+2] condensation reactions of $N_3P_3(O_2C_{12}H_8)_2[-O-C_6H_4-p-CHO]_2$ with $PhP(O)[N(Me)NH_2]_2$ or 1,6-diaminohexane.

Hg(OTf)₂-Catalyzed cyclization of alkynyl *tert*-butylcarbonate leading to cyclic enol carbonate

pp 8369–8373

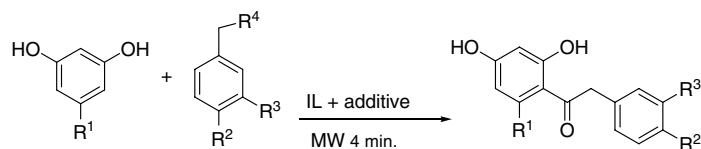
Hirofumi Yamamoto, Mami Nishiyama, Hiroshi Imagawa and Mugio Nishizawa*



Microwave-promoted synthesis of polyhydroxydeoxybenzoins in ionic liquids

pp 8375–8378

Ullastiina Hakala and Kristiina Wähälä*

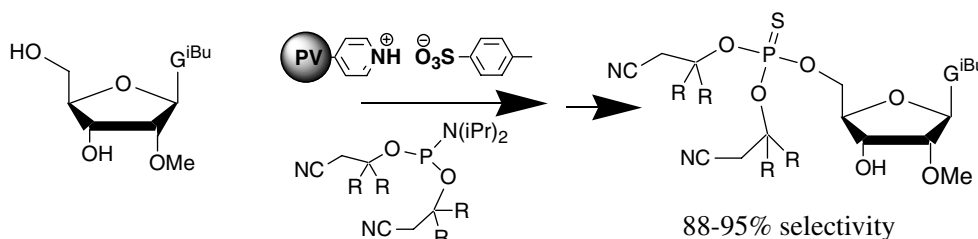


A microwave-promoted synthesis of polyhydroxydeoxybenzoins and -phenylpropanones has been developed, using a bis((trifluoromethyl)sulfonyl)amine (HNTf₂) or BF₃·OEt₂ in an ionic liquid solvent.

Use of a solid-supported coupling reagent for a selective phosphitylation of the primary alcohol of N²-isobutyryl-2'-deoxy or 2'-O-methyl guanosine

pp 8379–8382

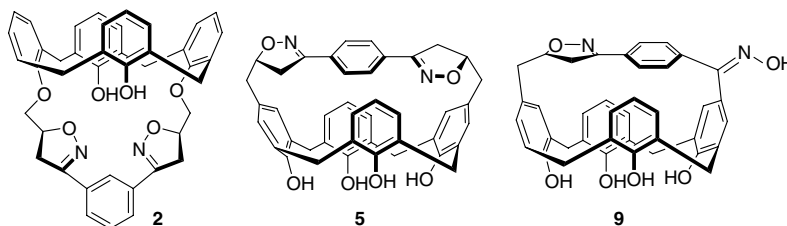
Ivan Zlatev, Yukiko Kato, Albert Meyer, Jean-Jacques Vasseur and François Morvan*



Capping the upper and lower rims of calix[4]arenes by aryl dinitrile oxide reactions

pp 8383–8386

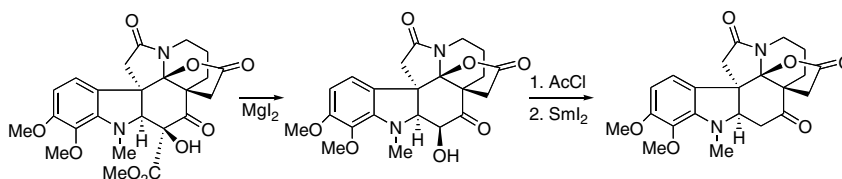
Ya-Jiun Shiao, Pei-Chen Chiang, Annamalai Senthilvelan, Ming-Tsung Tsai, Gene-Hsiang Lee and Wen-Sheng Chung*



Lewis acid-promoted α-hydroxy β-dicarbonyl to α-ketol ester rearrangement

pp 8387–8390

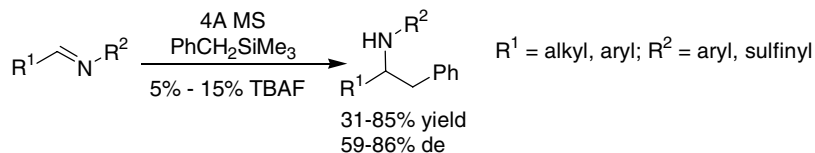
Xuechuan Hong, José M. Mejía-Oneto and Albert Padwa*



Addition of benzyltrimethylsilane to imines triggered by tetrabutylammonium fluoride

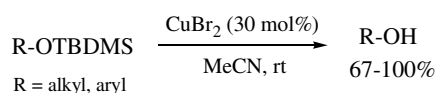
pp 8391–8393

Wan-Xuan Zhang, Chang-Hua Ding, Zhi-Bin Luo, Xue-Long Hou* and Li-Xin Dai

**A facile and catalytic method for selective deprotection of *tert*-butyldimethylsilyl ethers with copper(II) bromide**

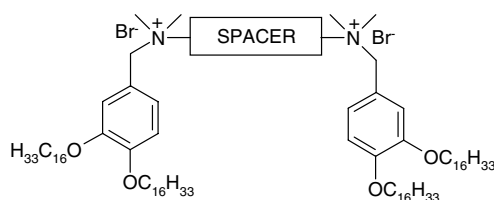
pp 8395–8399

Suchitra Bhatt and Sandip K. Nayak*

**Synthesis of novel dimeric cationic lipids based on an aromatic backbone between the hydrocarbon chains and headgroup**

pp 8401–8405

Bishwajit Paul, Avinash Bajaj, S. S. Indi and Santanu Bhattacharya*

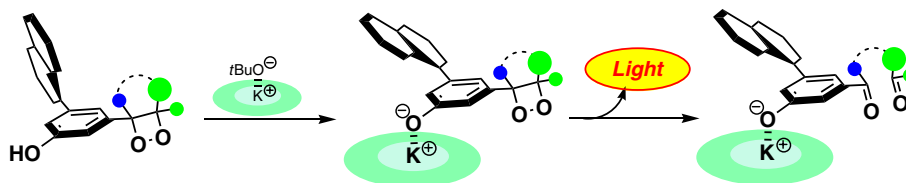


Novel dimeric cationic lipids with an aromatic anchor between the hydrocarbon chains and headgroup bearing different spacers have been synthesized.

Color modulation for intramolecular charge-transfer-induced chemiluminescence of bicyclic dioxetanes bearing a 3-hydroxy-5-naphthylphenyl moiety in the coordination sphere

pp 8407–8411

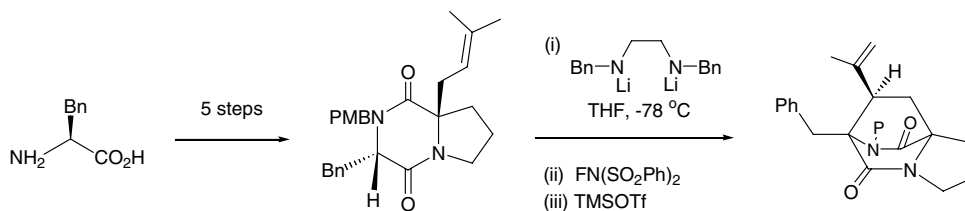
Masakatsu Matsumoto,* Kazutaka Yamada, Harumi Ishikawa, Naoyuki Hoshiya, Nobuko Watanabe and Hisako K. Ijuin



Synthesis towards complex bridged alkaloids derived from diketopiperazines: a cationic cascade approach to stephacidins, paraherquamides and related systems

pp 8413–8417

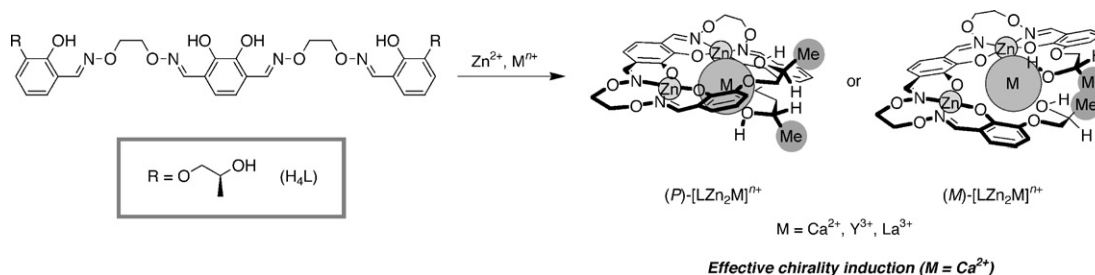
Mark Pichowicz, Nigel S. Simpkins,* Alexander J. Blake and Claire Wilson



Chiral single-stranded metallohelix: metal-mediated folding of linear oligooxime ligand

pp 8419–8422

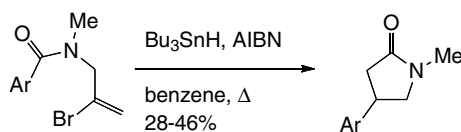
Shigehisa Akine, Takanori Taniguchi and Tatsuya Nabeshima*



Aryl pyrrolidinones via radical 1,4-aryl migration and 5-endo-trig cyclisation of N-(2-bromoallyl)arylcarboxamides

pp 8423–8425

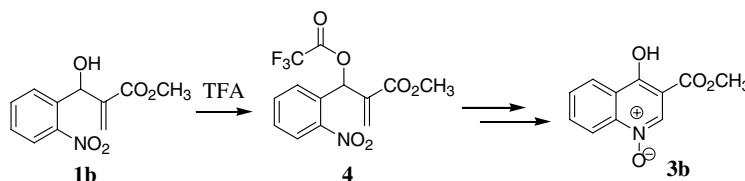
Matthew J. Palframan, Kirill Tchabanenko* and Jeremy Robertson



Formation of substituted N-oxide hydroxyquinolines from o-nitrophenyl Baylis–Hillman adduct: a new key intermediate intercepted by ESI-(+)-MS(/MS) monitoring

pp 8427–8431

Giovanni W. Amarante, Mario Benassi, Adão A. Sabino, Pierre M. Esteves, Fernando Coelho* and Marcos N. Eberlin*



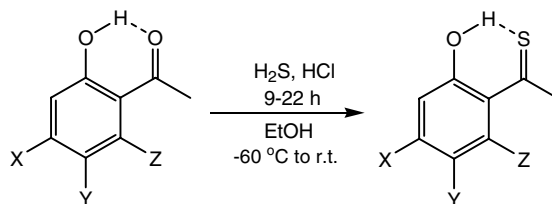
Data collected from ESI-(+)-MS(/MS) monitoring and probed by experiments in solution reveals the participation of a new key intermediate (4) in the mechanism of formation of N-oxide hydroxyquinolines (3) from o-nitrophenyl Baylis–Hillman adducts (1).



**Preparation and structural characterization of a new class of stable thioketones:
ortho-hydroxythioacetophenones**

pp 8433–8435

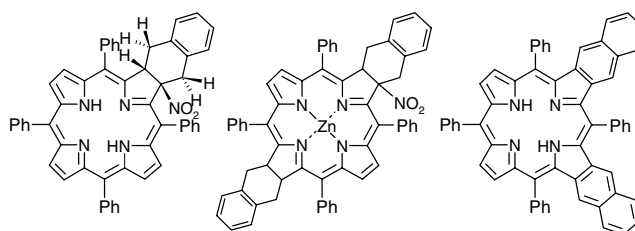
Trung Thanh Nguyen, Thach Ngoc Le, Poul Erik Hansen and Fritz Duus*



The first example of Diels–Alder cycloaddition of ortho-xylenes to meso-tetraarylporphyrins containing electron-deficient β,β -double bonds

pp 8437–8440

Stanisław Ostrowski* and Przemysław Wyřębek



β -Nitro-*meso*-tetraphenylporphyrin and the 2,7-dinitro-derivative, or their zinc complexes, react with *ortho*-xylenes, giving rise to chlorins, bacteriochlorins or isobacteriochlorins.



*Corresponding author

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