

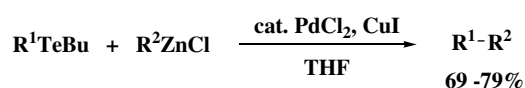
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COMMUNICATIONS

Stereoselective sp^2 - sp^2 bond formation via Negishi cross-coupling of vinylic tellurides and 2-heteroarylzinc chlorides

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Gilson Zeni,* Diego Alves, Antonio L. Braga, Helio A. Stefani and Cristina W. Nogueira

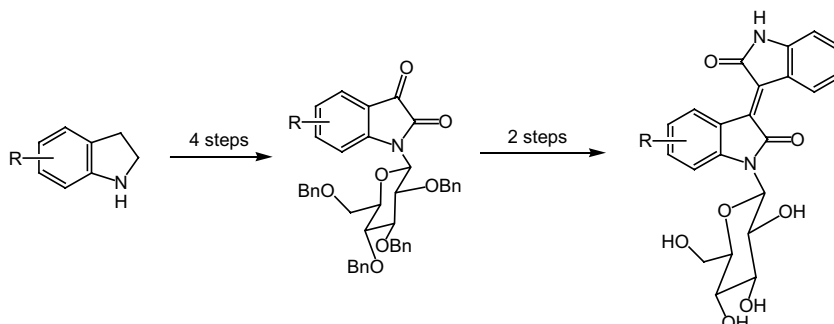


R^1 = vinyl, aryl; R^2 = heteroaryl

Synthesis of glycosyl-isoindigo derivatives

pp 4827–4830

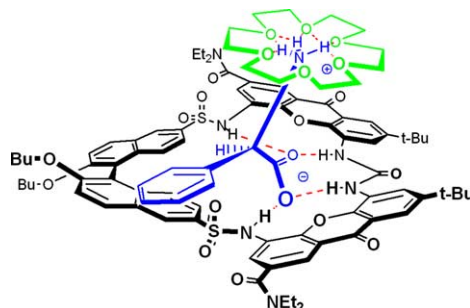
Mathieu Sassatelli, Elias Saab, Fabrice Anizon, Michelle Prudhomme and Pascale Moreau*



Ternary enantioselective complexes from α -amino acids, 18-crown-6 ether and a macrocyclic xanthone-based receptor

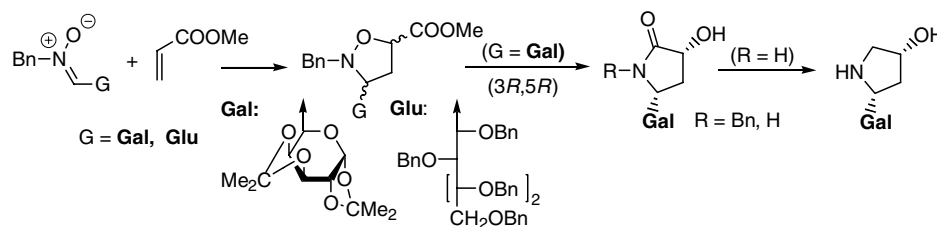
pp 4831–4833

José V. Hernández, Ana I. Oliva, Luis Simón, Francisco M. Muñoz, Manuel Grande and Joaquín R. Morán*



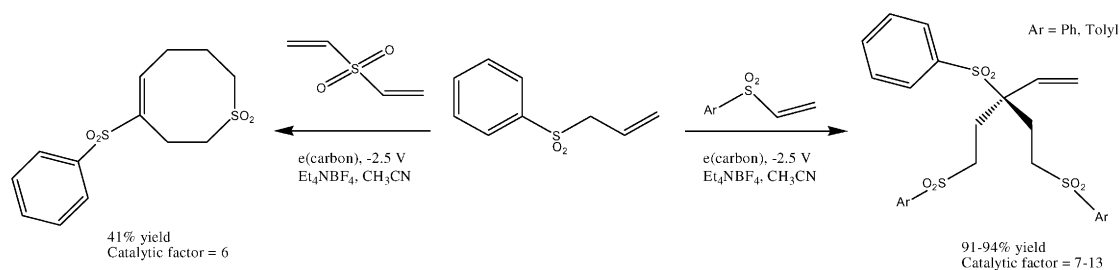
Stereoselective synthesis of 3-glycosyl-5-methoxycarbonyl-isoxazolidines from D-galactose and D-glucose

pp 4835–4839

Pastora Borrachero, Francisca Cabrera-Escribano, Manuel Gómez-Guillén* and M^a Isabel Torres
Highly efficient, catalytic bis addition reactions of allyl phenyl sulfone to vinyl sulfones

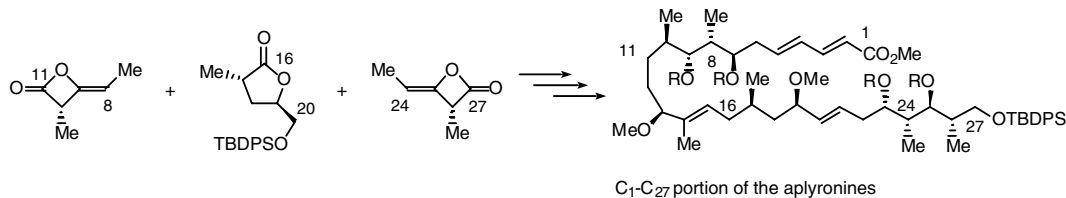
pp 4841–4845

Greg A. N. Felton and Nathan L. Bauld*


Synthesis of the C₁–C₂₇ portion of the aplyronines

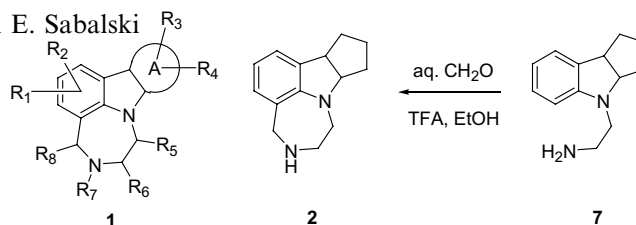
pp 4847–4850

Michael A. Calter* and Jianguang Zhou


A process for the preparation of 1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole

pp 4851–4854

Gregory S. Welmaker* and Joan E. Sabalski

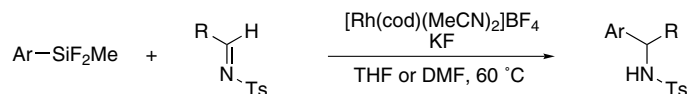


A practical synthesis of diazepinoindolines **1** has been developed, as exemplified by the preparation of one of the simplest structures within this series, 1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole (**2**). The key step involves a cyclization of 2-(2,3,3a,8b-tetrahydrocyclopenta[b]indol-4(1H)-yl)ethanamine (**7**) with aqueous formaldehyde in the presence of trifluoroacetic acid.

Rhodium-catalyzed addition of aryldifluoromethylsilanes to *N*-sulfonylaldimines

pp 4855–4857

Shuichi Oi,* Mitsutoshi Moro, Takanori Kawanishi and Yoshio Inoue*

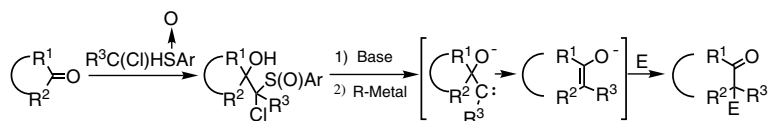


The addition of aryldifluoromethylsilanes to *N*-sulfonylaldimines was found to be catalyzed by a rhodium complex in the presence of potassium fluoride to give the corresponding arylated *N*-sulfonylamines in good yield.

A new synthesis of α,α -disubstituted carbonyl compounds from carbonyl compounds with one-carbon homologation

pp 4859–4864

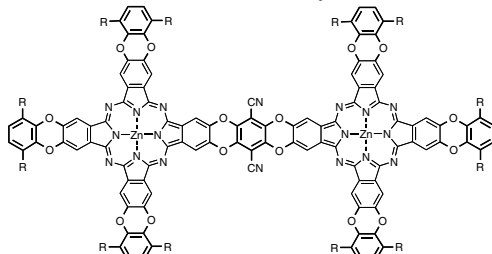
Tsuyoshi Satoh* and Kohsuke Miyashita



Macrodiscotic liquid crystals derived from planar phthalocyanine oligomers

pp 4865–4868

Saad Makhseed,* Ali Bumajdad, Bader Ghanem, Kadhum Msayib and Neil B. McKeown

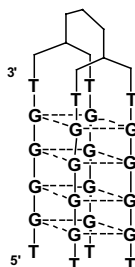


A novel unsymmetrically substituted phthalocyanine, which contains an extended planar core and dihydroxyl groups is synthesised and used to prepare planar phthalocyanine oligomers. These materials act as macrodiscotic liquid crystals giving a columnar mesophase, which is stable over a large temperature range.

Synthesis and characterization of a bunched oligonucleotide forming a monomolecular parallel quadruplex structure in solution

pp 4869–4872

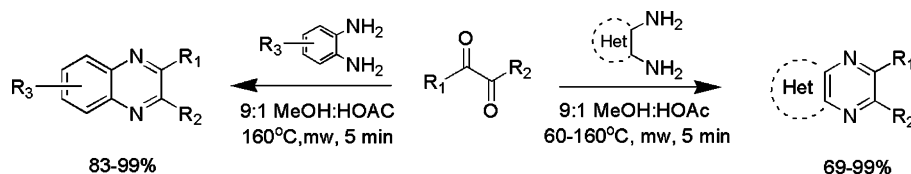
Giorgia Oliviero, Nicola Borbone, Aldo Galeone, Michela Varra, Gennaro Piccialli* and Luciano Mayol



General microwave-assisted protocols for the expedient synthesis of quinoxalines and heterocyclic pyrazines

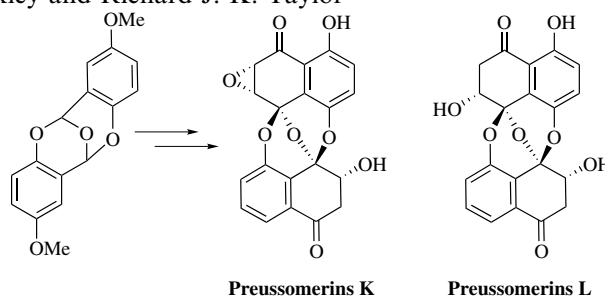
pp 4873–4876

Zhijian Zhao, David D. Wisnoski, Scott E. Wolkenberg, William H. Leister, Yi Wang and Craig W. Lindsley*


The first total syntheses of (±)-Preussomerins K and L using 2-arylacetal anion technology

pp 4877–4881

Ernesto Quesada, Martin Stockley and Richard J. K. Taylor*

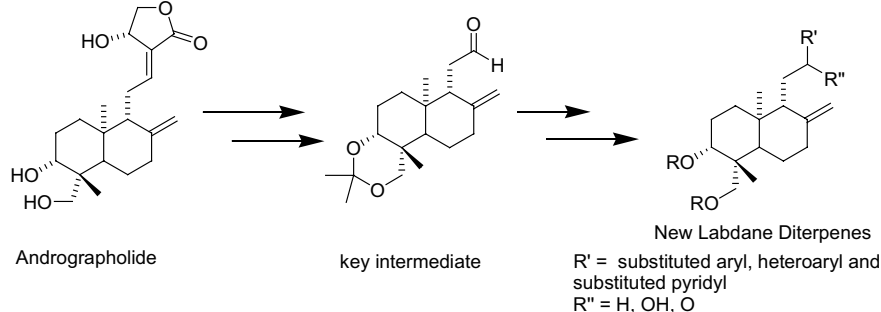


The first syntheses of the newly isolated members of the Preussomerin family of natural products, Preussomerin K and L, are reported.

Novel routes for the generation of structurally diverse labdane diterpenes from andrographolide

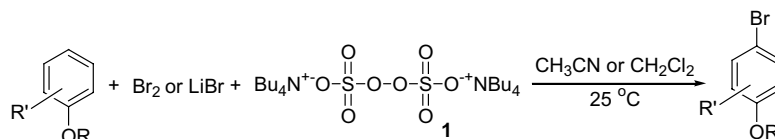
pp 4883–4886

Srinivas Nanduri,* Vijay Kumar Nyavanandi, Siva Sanjeeva Rao Thunuguntla, Mahendar Velisoju, Sridevi Kasu, Sriram Rajagopal, R. Ajaya Kumar, R. Rajagopalan and Javed Iqbal


Practical and regioselective brominations of aromatic compounds using tetrabutylammonium peroxydisulfate

pp 4887–4890

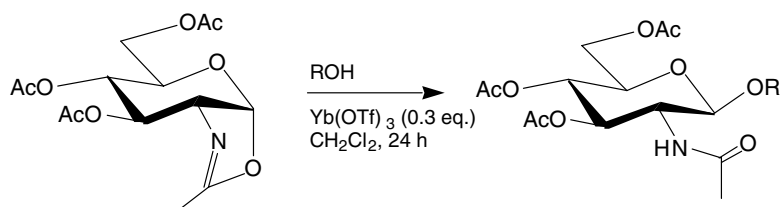
Min Young Park, Seung Gak Yang, Vidyadhar Jadhav and Yong Hae Kim*



A practical method for preparation of β -glycosides of *N*-acetylglucosamine

pp 4891–4894

Curtis F. Crasto and Graham B. Jones*

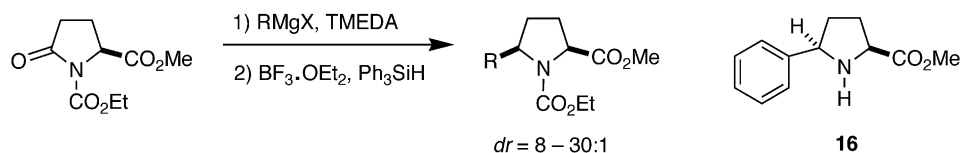


A mild and efficient method for preparation of GlcNAc derivatives by reaction of glycosyl acceptors with glycosyl oxazolines has been developed.

Synthesis of *cis*-2,5-disubstituted pyrrolidines via diastereoselective reduction of *N*-acyl iminium ions

pp 4895–4898

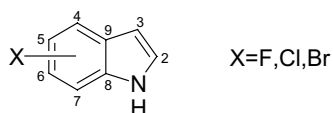
Alexander C. Rudolph, Rainer Machauer and Stephen F. Martin*



Experimental and theoretical ultraviolet spectra of haloindoles

pp 4899–4902

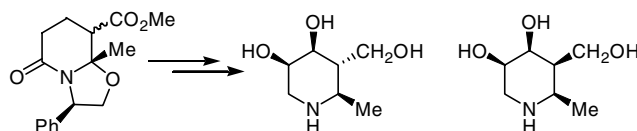
Dina C. Merrer,* Sevan Ozcetinkaya and Ann E. Shinnar



Synthesis of novel 1-*N*-minosugars from chiral nonracemic bicyclic lactams

pp 4903–4906

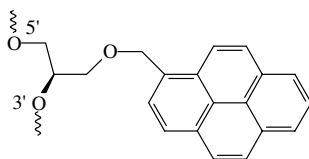
Juan Xie,* Tatyana Güveli, Séverine Hebbe and Luc Dechoux*



Intercalating nucleic acids: the inversion of the stereocentre in 1-*O*-(pyren-1-ylmethyl)glycerol from *R* to *S*. Thermal stability towards ssDNA, ssRNA and its own type of oligodeoxynucleotides

pp 4907–4910

Vyacheslav V. Filichev, Khalid M. H. Hilmy, Ulf B. Christensen and Erik B. Pedersen*

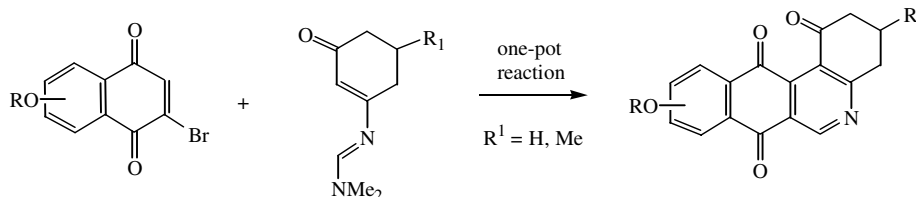


Synthesis of intercalating nucleic acids containing bulge insertions of (*S*)-1-*O*-(pyren-1-ylmethyl)glycerol and thermal stability towards ssDNA, ssRNA and its own type of oligodeoxynucleotides in comparison with the *R* isomer is presented.

A hetero Diels–Alder approach to the synthesis of the first angucyclinone and angucycline 5-*aza*-analogues

pp 4911–4915

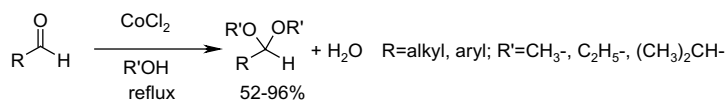
Sylvain C. Collet, Jean-François Rémi, Claire Cariou, Samia Laïb, André Y. Guingant,* Nguyen Quang Vu and Gilles Dujardin



Cobalt(II)-catalyzed chemoselective synthesis of acetals from aldehydes

pp 4917–4920

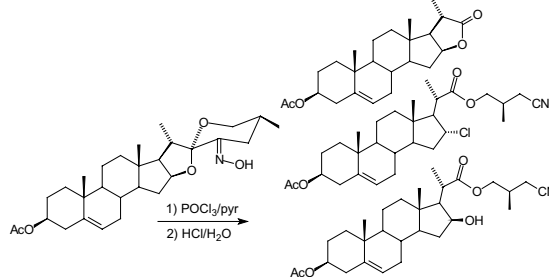
Subbarayan Velusamy and T. Punniyamurthy*



Abnormal Beckmann rearrangement in 23-hydroxyiminodiosgenin acetate

pp 4921–4926

Martín A. Iglesias-Arteaga,* Jesús Sandoval-Ramírez,* Marian Y. Mata-Esma, Omar Viñas-Bravo and Sylvain Bernès

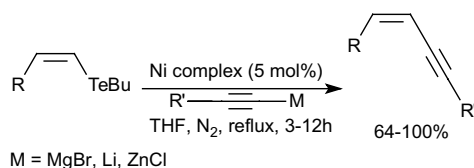


Treatment of 23-hydroxyiminodiosgenin acetate with POCl₃ produced an abnormal Beckmann rearrangement, which led to bisnorcholenic skeletons.

Coupling of butyl vinyl tellurides with metal acetylides catalyzed by nickel complexes

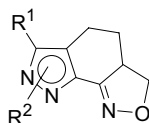
pp 4927–4930

Cristiano Raminelli, João Gargalaka, Jr., Cláudio C. Silveira and João V. Comasseto*

**Intramolecular [3+2] nitrile oxide cycloaddition: synthesis of tetrahydroisoxazoloindazoles**

pp 4931–4934

Kyung-Ho Park* and Will J. Marshall

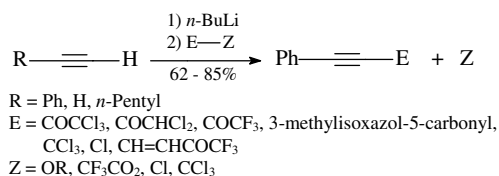


Novel tetrahydroisoxazoloindazoles have been synthesized by intramolecular nitrile oxide cycloaddition reaction as the key step.

Synthesis of new halo-containing acetylenes and their application to the synthesis of azoles

pp 4935–4938

Marcos A. P. Martins,* Daniel J. Emmerich, Claudio M. P. Pereira, Wilson Cunico, Marcelo Rossato, Nilo Zanatta and Helio G. Bonacorso

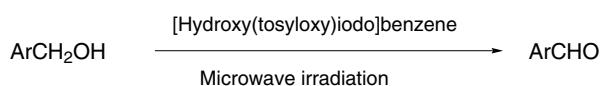


The synthesis of a series of six halo- and one isoxazole-containing acetylenes from the reaction of phenyl acetylenes with *n*-butyl lithium and subsequent reaction with an electrophile agent in moderated to good yields is reported.

Efficient oxidation of benzylic alcohols with [hydroxy(tosyloxy)iodo]benzene under microwave irradiation

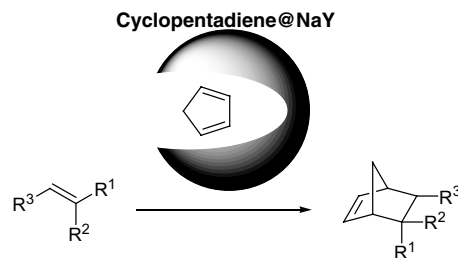
pp 4939–4941

Jong Chan Lee,* Ji Young Lee and Seung Jun Lee

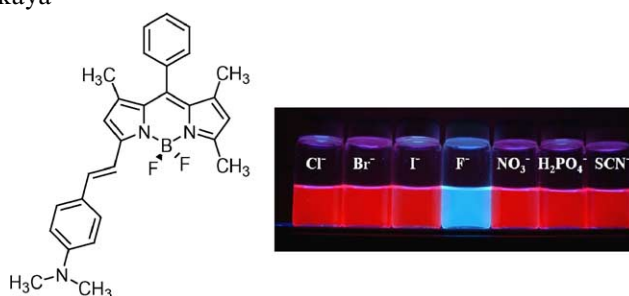


Entrapment of cyclopentadiene in zeolite NaY and its application for solvent-free Diels–Alder reactions pp 4943–4946

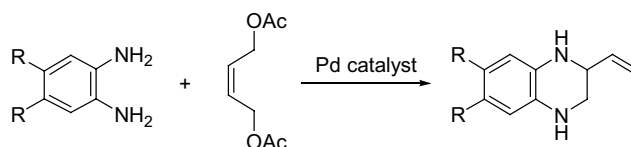
Shouhei Imachi and Makoto Onaka*


Difluorobora-*s*-diazaindacene dyes as highly selective dosimetric reagents for fluoride anions pp 4947–4949

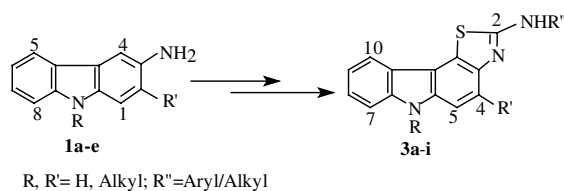
Ali Coskun and Engin U. Akkaya*


Palladium-catalyzed tandem allylation of 1,2-phenylenediamines with *cis*-1,4-diacetoxy-2-butene pp 4951–4954

Shyh-Chyun Yang,* Pei-Chin Liu and Wei-Hao Feng


A clay-mediated, regioselective synthesis of 2-(aryl/alkyl)aminothiazolo[4,5-*c*]carbazoles pp 4955–4957

Manas Chakrabarty,* Nandita Ghosh and Yoshihiro Harigaya

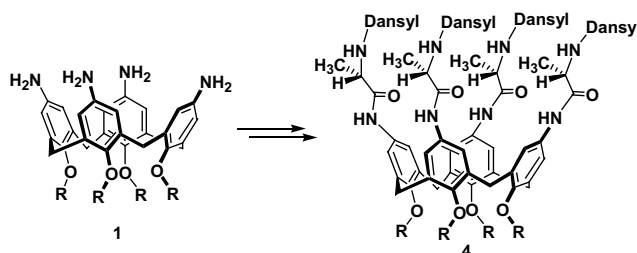


2-Anilino/benzylaminothiazolo[4,5-*c*]carbazoles were synthesised regioselectively and efficiently from 3-aminocarbazoles in two steps via *N'*-phenyl/benzylthioureidocarbazoles using montmorillonite K10 clay in both steps.

A C-linked peptidocalix[4]arene bearing four dansyl groups: a highly selective fluorescence chemosensor for fluoride ions

pp 4959–4962

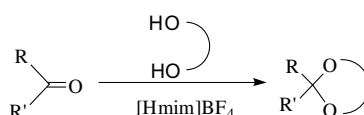
Ru Miao, Qi-Yu Zheng, Chuan-Feng Chen* and Zhi-Tang Huang*



An efficient procedure for protection of carbonyls in Brønsted acidic ionic liquid [Hmim]BF₄

pp 4963–4965

Hai-Hong Wu, Fan Yang, Peng Cui, Jie Tang* and Ming-Yuan He

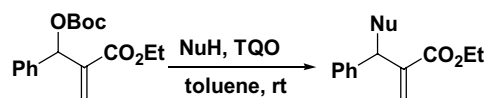


Protection of carbonyls as cycloacetals or ketals with diols using Brønsted acidic ionic liquid [Hmim]BF₄ as catalyst as well as solvent was investigated. The product can be separated conveniently from the reaction system, and the ionic liquid can be reused after removal of water.

Alkaloids-catalyzed regio- and enantioselective allylic nucleophilic substitution of *tert*-butyl carbonate of the Morita–Baylis–Hillman products

pp 4967–4971

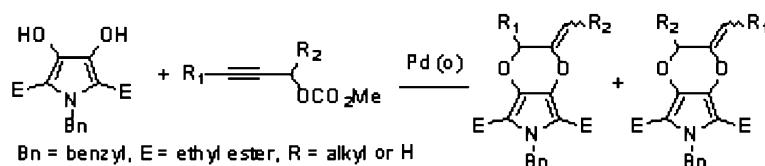
Yishu Du, Xiuling Han and Xiyan Lu*



A palladium-catalyzed synthesis of 2-alkylidene-pyrrolo[*c*]-1,4-dioxanes: synthesis of 3,4-(*cis*-1,2-dimethyl)ethylenedioxyppyrrrole

pp 4973–4975

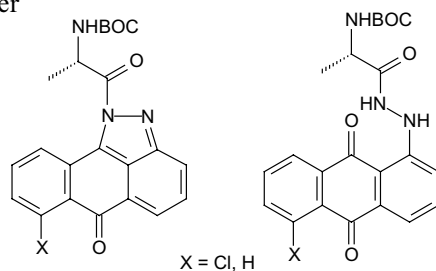
Kyukwan Zong, Khalil A. Abboud and John R. Reynolds*



EDC-mediated condensations of 1-chloro-5-hydrazino-9,10-anthracenedione, 1-hydrazino-9,10-anthracenedione, and the corresponding anthrapyrazoles

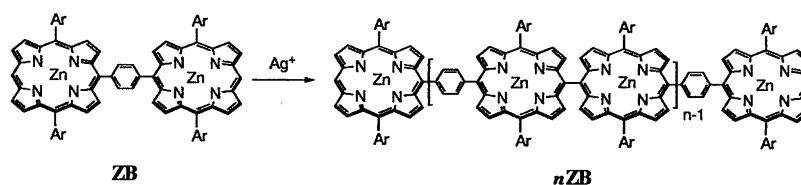
pp 4977–4980

MeeKyoung Kim and David F. Wiemer*


1,4-Phenylene-bridged *meso-meso* linked diporphyrin array

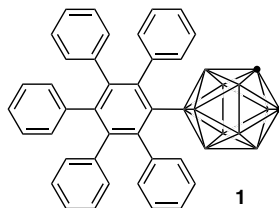
pp 4981–4984

Xiaobin Peng, Yasuyuki Nakamura, Naoki Aratani, Dongho Kim* and Atsuhiko Osuka*


A carboranylpentaphenylbenzene

pp 4985–4987

Liliana Craciun, Douglas M. Ho, Maitland Jones, Jr. and Robert A. Pascal, Jr.*

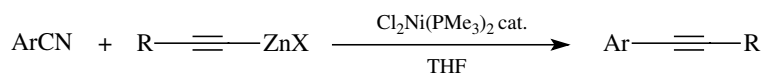


1-(*o*-Carboran-9-yl)-2,3,4,5,6-pentaphenylbenzene (**1**) was prepared by Diels–Alder reaction of 9-phenylethynyl-*o*-carborane and tetraphenylcyclopentadienone at 300 °C. An X-ray crystal structure of **1** shows that the steric demands of the carborane induce a significant stretching of the aryl carbon–boron bond as well as a variety of distortions of the central benzene ring, the *ortho* phenyl groups, and the carborane cage.

Alkynylation of benzonitriles via nickel catalyzed C–C bond activation

pp 4989–4992

Jonathan M. Penney and Joseph A. Miller*



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*Corresponding author

①⁺ Supplementary data available via ScienceDirect

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