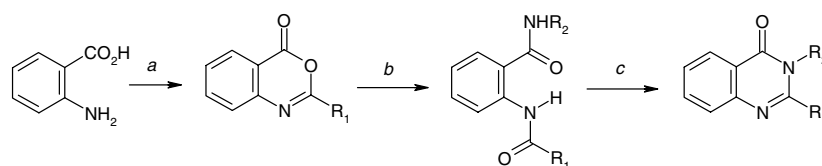


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**Rapid synthesis of 2,3-disubstituted-quinazolin-4-ones enhanced by microwave-assisted decomposition of formamide** pp 6609–6613

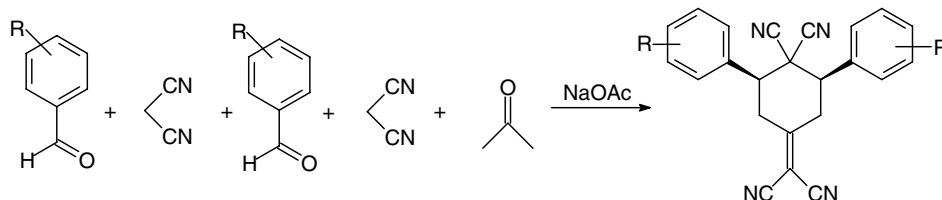
Ioannis K. Kostakis, Abdelhakim Elomri, Elisabeth Seguin, Mauro Iannelli and Thierry Besson\*



An efficient microwave-assisted methodology for the preparation of 2,3-disubstituted-quinazolin-4(3*H*)-ones from anthranic acid and using formamide as an ammonia source is described.

**Unexpected stereoselective sodium acetate catalyzed multicomponent cyclization of aryl aldehydes, malononitrile and acetone into *cis*-4-dicyanomethylene-2,6-diarylcyclohexane-1,1-dicarbonitriles** pp 6614–6619

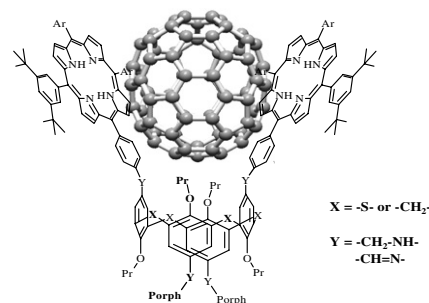
Michail N. Elinson,\* Anatolii N. Vereshchagin, Sergey K. Feducovich, Tatyana A. Zaimovskaya, Zoya A. Starikova, Pavel A. Belyakov and Gennady I. Nikishin



**Thiacalix[4]arene–porphyrin conjugates with high selectivity towards fullerene C<sub>70</sub>** pp 6620–6623

Ondřej Kunderát, Martin Káš, Marcela Tkadlecová, Kamil Lang,\* Josef Cvačka, Ivan Stibor and Pavel Lhoták\*

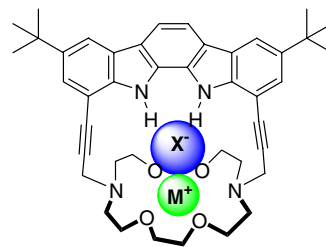
Molecular tweezers based on calix[4]arene- or thiacalix[4]arene–porphyrin conjugates have been prepared. These compounds possess a high selectivity towards fullerene C<sub>70</sub> in solution.



**An ion pair receptor showing remarkable enhancement of anion-binding strengths in the presence of alkali metal cations** pp 6624–6627

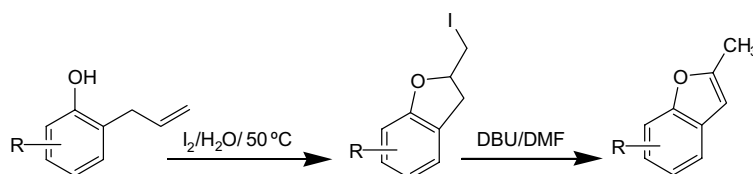
Min Kyung Chae, Jung-In Lee, Nam-Kyun Kim and Kyu-Sung Jeong\*

An ion pair receptor comprising diazacrown ether and biindole units shows strong cooperativity on binding of halides in the presence of alkali metal cations.



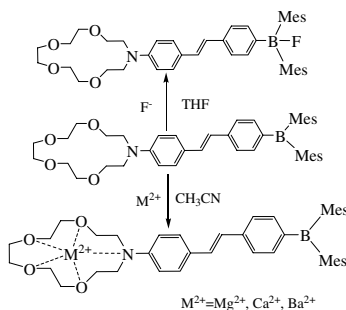
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Amit K. Yadav, Biswajit K. Singh, Nimisha Singh and Rama P. Tripathi\*



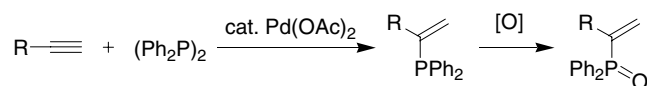
**A novel three-coordinate organoboron derivative: synthesis, photophysical property and ion recognition** pp 6633–6636

Zhiguo Zhou, Fuyou Li,\* Tao Yi\* and Chunhui Huang\*



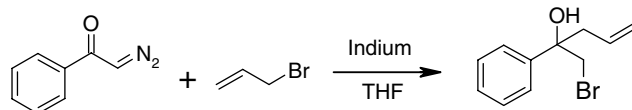
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Shoko Nagata, Shin-ichi Kawaguchi, Michiko Matsumoto, Ikuyo Kamiya, Akihiro Nomoto, Motohiro Sonoda and Akiya Ogawa\*



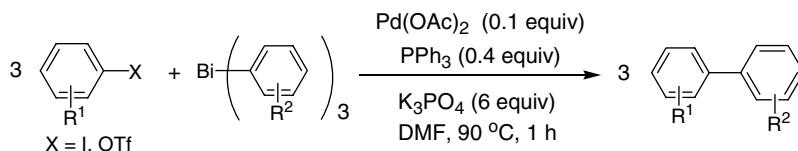
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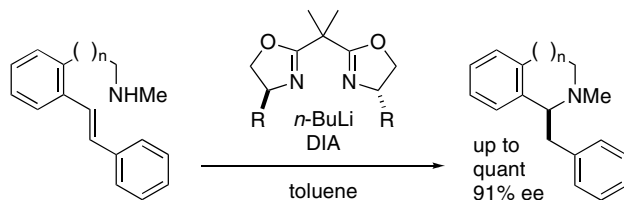
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**Catalytic asymmetric intramolecular hydroamination of aminoalkenes** pp 6648–6650

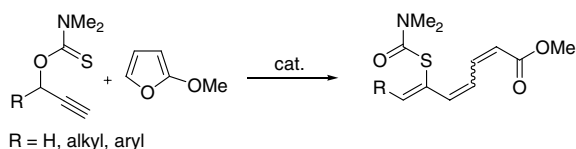
Tokutaro Ogata, Atsushi Ujihara, Susumu Tsuchida, Tomoko Shimizu, Atsunori Kaneshige and Kiyoshi Tomioka\*



Asymmetric intramolecular cyclization of aminoalkenes was catalyzed by a catalytic amount of *n*-butyllithium, diisopropylamine, and a newly designed chiral bisoxazoline in toluene to produce kinetically controlled *exo*-cyclized amines with up to 91% ee quantitatively.

**Transition metal-catalyzed ring-opening, substitution, and cyclopropanation reactions via vinylcarbene complexes generated from *O*-propargyl thiocarbamates** pp 6651–6654

Yuji Ikeda, Masahito Murai, Tomohiro Abo, Koji Miki and Kouichi Ohe\*

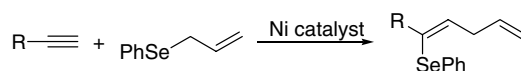


R = H, alkyl, aryl

**Ni-catalyzed addition reaction of allylic selenides to alkynes**

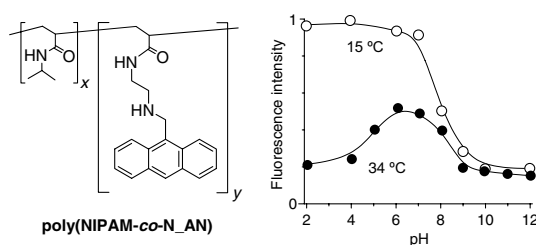
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Koh-ichiro Yamashita, Hideaki Takeda, Taigo Kashiwabara, Ruimao Hua, Shigeru Shimada and Masato Tanaka\*

**Temperature-driven on/off fluorescent indicator of pH window: an anthracene-conjugated thermo-responsive polymer**

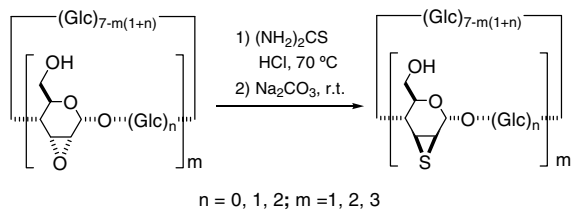
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**Selective functionalization of  $\beta$ -cyclodextrin: efficient conversions of 2,3-*allo*epoxy pyranosides to 2,3-*manno*epithiopyranosides**

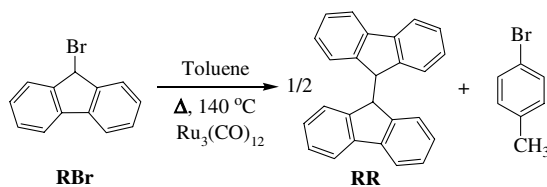
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Makoto Fukudome, Toshiyuki Onizuka, Satoshi Kawamura, De-Qi Yuan\* and Kahee Fujita\*

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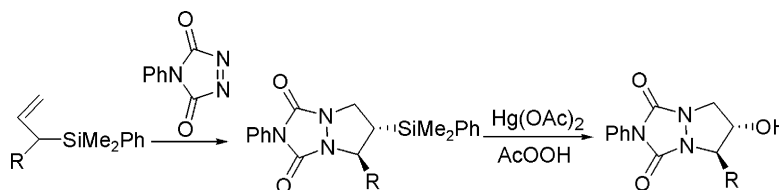
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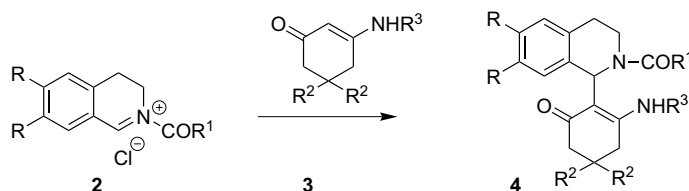
**A reinvestigation of the reaction of allylsilanes with *N*-phenyltriazolinedione: stereoselective synthesis of substituted urazoles by [3+2] cycloaddition** pp 6671–6673

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**Selective amidoalkylation of cyclic enamino ketones with *N*-acyliminium salts of 3,4-dihydroisoquinolines**

pp 6674–6676

Stela Statkova-Abeghe,\* Plamen A. Angelov, Iliyan Ivanov, Stoyanka Nikolova and Ekaterina Kochovska



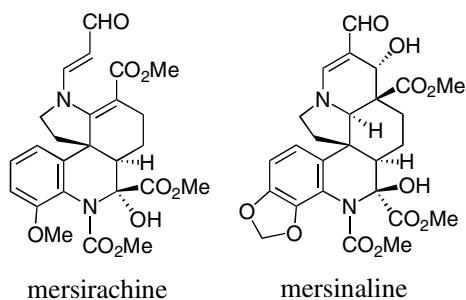
A series of cyclic enaminoketones were selectively amidoalkylated at the  $\alpha$ -carbon in reactions with acyliminium reagents derived from 3,4-dihydroisoquinolines.

**Mersinaline and mersirachine, novel quinolinic alkaloids of the mersinine group from *Kopsia***

pp 6677–6680

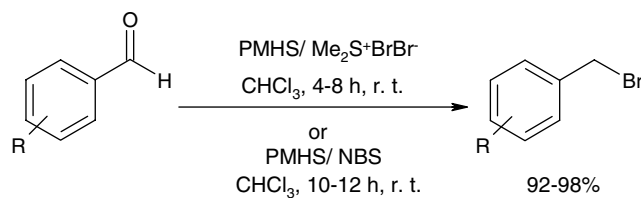
G. Subramaniam and Toh-Seok Kam\*

Two quinolinic alkaloids belonging to the novel mersinine subclass were isolated from *Kopsia singapurensis*. The structures of these alkaloids were established by spectroscopic methods and possible biogenetic relationships between these and the mersinine alkaloids are presented.

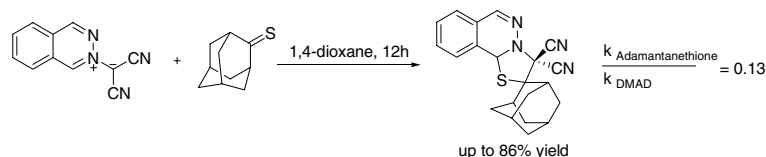

**An efficient synthesis of benzyl bromides from aromatic aldehydes using polymethylhydrosiloxane and (bromodimethyl)sulfonium bromide or *N*-bromosuccinimide**

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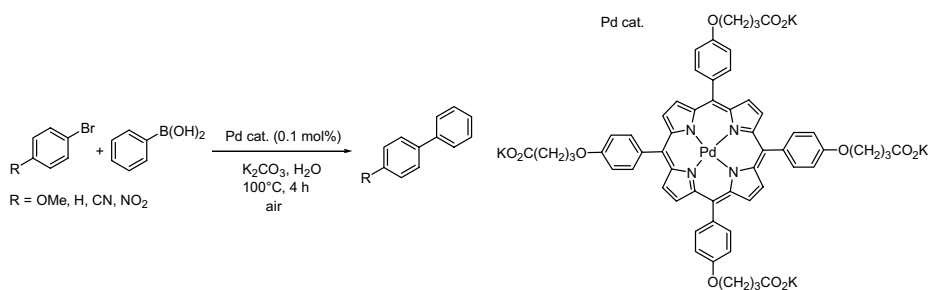


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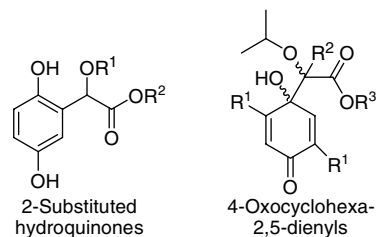
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**Multicomponent reactions involving *p*-benzoquinones, diazo esters, titanium(IV) isopropoxide and alcohol in the presence of rhodium(II) acetate as catalyst** pp 6692–6695

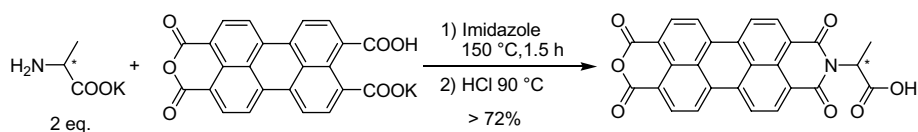
Sengodagounder Muthusamy\* and Janagiraman Krishnamurthi

A  $\text{Rh}_2(\text{OAc})_4$  catalyst derived oxonium ylide intermediate underwent nucleophilic addition with the  $\text{C}=\text{C}$  or  $\text{C}=\text{O}$  bond of *p*-benzoquinones to furnish 2-substituted hydroquinones or functionalized 1-hydroxy-4-oxocyclohexa-2,5-dienyls.



**Facile synthesis of chiral unsymmetric perylene tetracarboxylic diimides involving  $\alpha$ -amino acids** pp 6696–6699

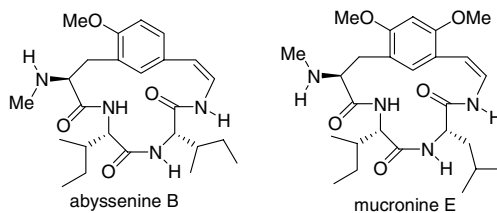
Runkun Sun, Chenming Xue, Mariam Owak, Ralf M. Peetz and Shi Jin\*



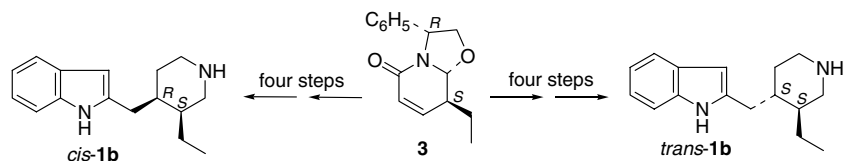


**Total synthesis and stereochemistry assignment of 15-membered peptide alkaloids abyssenine B and mucronine E** pp 6717–6721

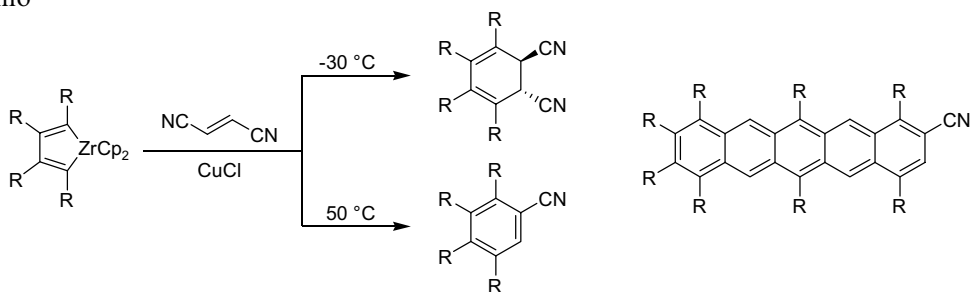
Jing Wang, Lutz Schaeffler, Gang He and Dawei Ma\*


**Enantioselective synthesis of 2-[(3-ethyl-4-piperidyl)methyl]indoles from a phenylglycinol-derived lactam: formal synthesis of *Strychnos* alkaloids** pp 6722–6725

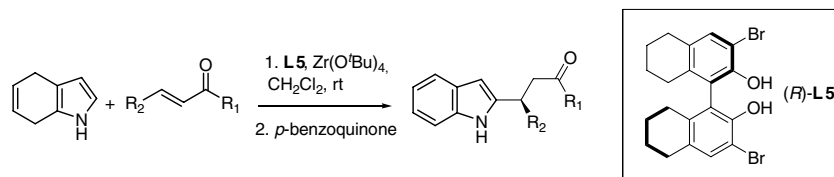
Mercedes Amat,\* Núria Llor, Begoña Checa, Maria Pérez and Joan Bosch\*


**Cu(I)-mediated cycloaddition reaction of zirconacyclopentadienes with fumaronitrile and application for synthesis of monocyano-substituted pentacenes** pp 6726–6730

Tamotsu Takahashi,\* Yanzhong Li, Jinghan Hu, Fanzhi Kong, Kiyohiko Nakajima, Lishan Zhou and Ken-ichiro Kanno


**Catalytic enantioselective Friedel–Crafts alkylation at the 2-position of indole with simple enones** pp 6731–6734

Gonzalo Blay, Isabel Fernández, José R. Pedro\* and Carlos Vila

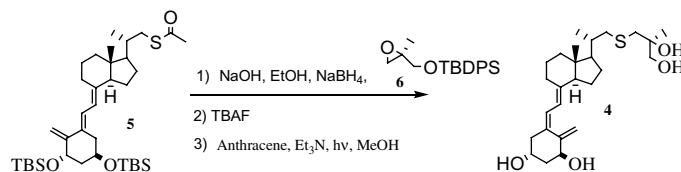




**The thioacetate approach to vitamin D analogues. Part 2: Synthesis of (25S)-23-thia-1 $\alpha$ ,25,26-trihydroxyvitamin D<sub>3</sub>**

pp 6735–6737

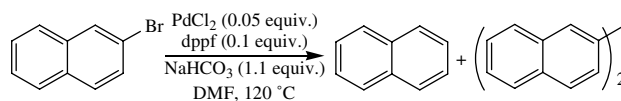
Zoila Gándara, Ousmane Diouf, Generosa Gómez\* and Yagamare Fall\*



**Pd-catalyzed reduction of aryl halides using dimethylformamide as the hydride source**

pp 6738–6742

Anna Maria Zawisza and Jacques Muzart\*

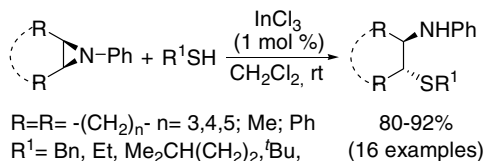


According to the GC/MS analysis of a reaction carried out in DMF-*d*<sub>7</sub>, the solvent is the source of the reducing agent leading to naphthalene.

**Indium(III) chloride-catalyzed thiolysis of meso-aziridines**

pp 6743–6746

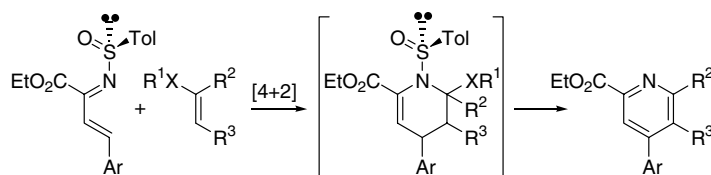
Saravanan Peruncheralathan, Michael Henze and Christoph Schneider\*



**Aza-Diels–Alder reaction of  $\alpha,\beta$ -unsaturated sulfinylimines derived from  $\alpha$ -amino acids with enoethers and enamines**

pp 6747–6750

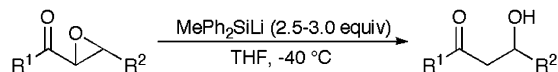
Francisco Palacios,\* Javier Vicario and Domitila Aparicio



**Selective reduction of  $\alpha,\beta$ -epoxyketones to  $\beta$ -hydroxyketones using silyllithium reagents**

pp 6751–6753

Samantha C. Reynolds, Sarah E. Wengryniuk and Aaron M. Hartel\*

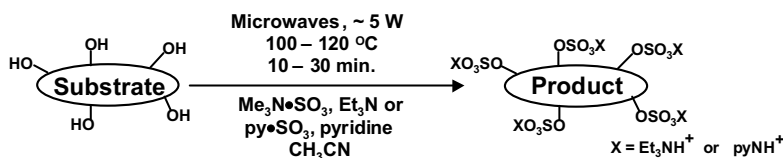


$\beta$ -Hydroxyketones are prepared from the selective reduction of  $\alpha,\beta$ -epoxyketones using silyllithium reagents. The reaction proceeds via an epoxide ring-opening assisted Brook rearrangement.

**Rapid and efficient microwave-assisted synthesis of highly sulfated organic scaffolds**

pp 6754–6758

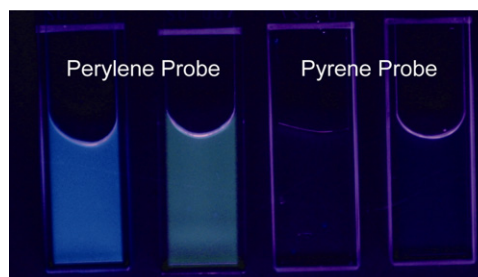
Arjun Raghuraman, Muhammad Riaz, Michael Hindle and Umesh R. Desai\*

**Detection of genetic polymorphisms with high sensitivity by DNA–perylene conjugate**

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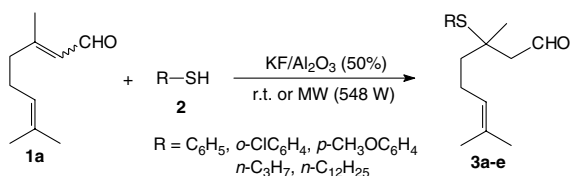
Hiromu Kashida, Tomohiko Takatsu and Hiroyuki Asanuma\*

Perylene-modified oligodeoxyribonucleotides are synthesized for the detection of deletion polymorphisms with high sensitivity on the basis of the change of monomer  $\rightarrow$  excimer emission.

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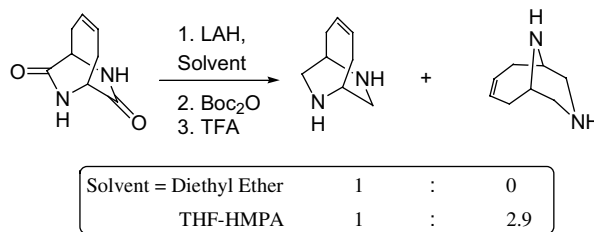
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Eder J. Lenardão,\* Patrícia C. Ferreira, Raquel G. Jacob, Gelson Perin and Fábio P. L. Leite



**Preparation of novel bicyclic piperazines by reduction of bicyclo[4.2.2]diketopiperazines: rearrangement involving 1,2-bond migration** pp 6767–6770

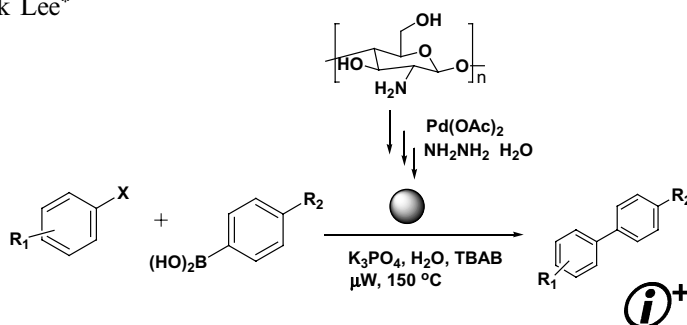
Yanming Du, Christopher J. Creighton, Brian V. Falcone, Michael H. Parker, Diane A. Gauthier and Allen B. Reitz\*



**Chitosan-supported palladium(0) catalyst for microwave-prompted Suzuki cross-coupling reaction in water** pp 6771–6775

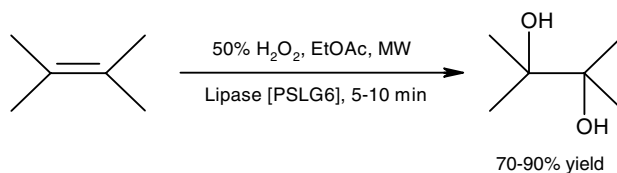
Song-Se Yi, Dong-Ho Lee, Eunyoung Sin and Yoon-Sik Lee\*

Chitosan-supported palladium(0) catalyst was prepared from adsorption of palladium(II) ion on chitosan bead and simple reduction process. For mechanical stability, the catalysts were cross-linked with glutaraldehyde or diglycidyl ether polyethylene glycol. The chitosan-supported palladium catalyst showed good catalytic activity for Suzuki cross-coupling reactions with various aryl halides and boronic acids in water under the microwave conditions.



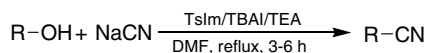
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Kuladip Sarma, Naleen Borthakur and Amrit Goswami\*

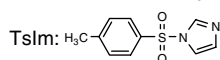


**A simple one-pot procedure for the direct conversion of alcohols into alkyl nitriles using TsIm** pp 6779–6784

Mohammad Navid Soltani Rad,\* Ali Khalafi-Nezhad, Somayeh Behrouz and Mohammad Ali Faghihi

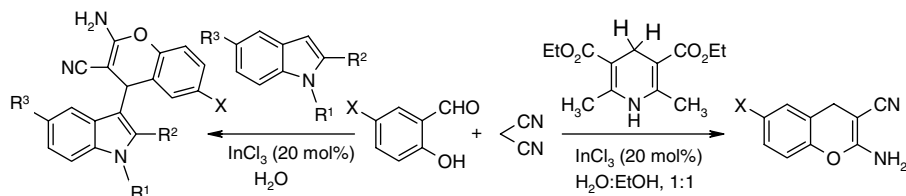


R = 1°, 2° and 3° alkyl



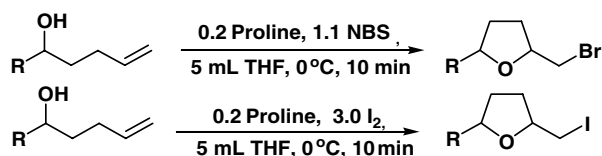
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Gnanamani Shanthi and Paramasivan T. Perumal\*



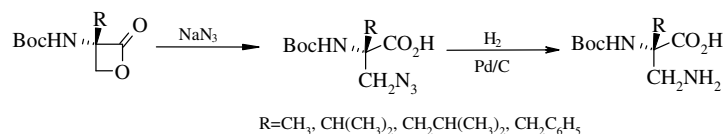
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Adam Shih-Yuan Lee,\* Kuo-Wei Tsao, Yu-Ting Chang and Shu-Fang Chu



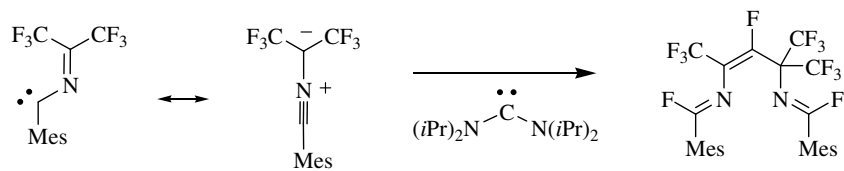
**An efficient synthesis of optically pure  $\alpha$ -alkyl- $\beta$ -azido- and  $\alpha$ -alkyl- $\beta$ -aminoalanines via ring opening of 3-amino-3-alkyl-2-oxetanones** pp 6794–6797

Adam Kudaj and Aleksandra Olma\*



**An unusual non-symmetrical nitrile ylide dimerization catalyzed by bis(diisopropylamino)carbene** pp 6798–6800

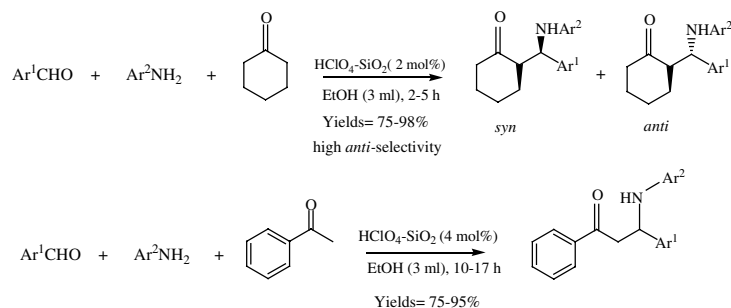
Dmytro Poliakov, Alexey Rogalyov and Igor Shevchenko\*



A carbene–nitrile ylide undergoes an unusual non-symmetrical dimerization catalyzed by stable bis(diisopropylamino)carbene.

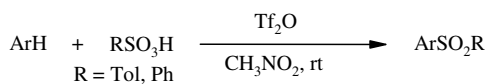
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Mohammad A. Bigdeli, Firouzeh Nemati\* and Gholam Hossien Mahdavinia



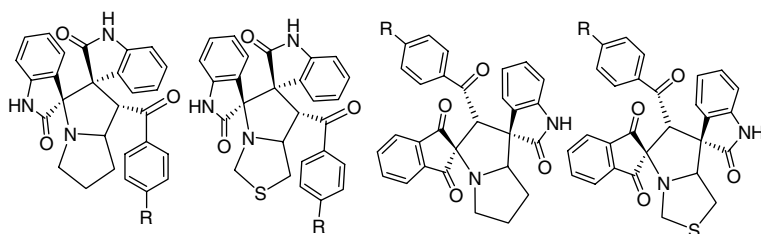
**Rapid and mild sulfonylation of aromatic compounds with sulfonic acids via mixed anhydrides using Tf<sub>2</sub>O** pp 6805–6808

Abdolhamid Alizadeh,\* Mohammdd Mehdi Khodaei\* and Ehsan Nazari



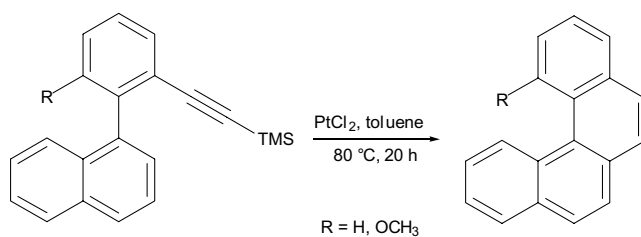
**Ultrasonic assisted-silica mediated [3+2] cycloaddition of azomethine ylides—a facile multicomponent one-pot synthesis of novel dispiroheterocycles** pp 6809–6813

A. R. Suresh Babu and R. Raghunathan\*



**Synthesis of 1-(2-ethynyl-6-methylphenyl)- and 1-(2-ethynyl-6-methoxyphenyl)-naphthalene and their cyclization** pp 6814–6816

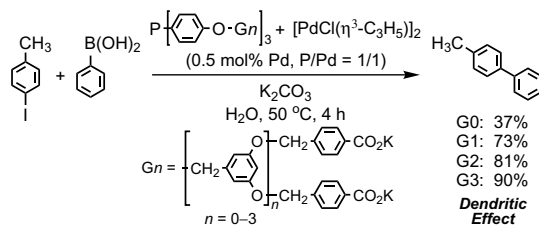
Jan Storch,\* Jan Čermák and Jindřich Karban



**Suzuki–Miyaura reaction in water, conducted by employing an amphiphilic dendritic phosphine–palladium catalyst: a positive dendritic effect on chemical yield**

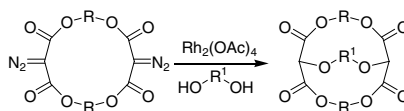
pp 6817–6820

Hatsuhiko Hattori, Ken-ichi Fujita,\* Takahito Muraki and Ai Sakaba


**Insertion reactions of macrocyclic rhodium carbenoids: a novel method for the synthesis of cryptands**

pp 6821–6824

Sengodagounder Muthusamy\* and Boopathy Gnanaprakasam



Reaction of macrocyclic diazocarbonyl compounds with alcohols or diols in the presence of rhodium(II) acetate catalyst led to functionalized macrocyclic di- or tetralactones via O–H insertion. Interestingly, the double O–H insertion reaction with dihydroxy compounds gave cryptands of various ring sizes.

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Supplementary data available via ScienceDirect

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