

Tetrahedron Letters Vol. 51, No. 43, 2010

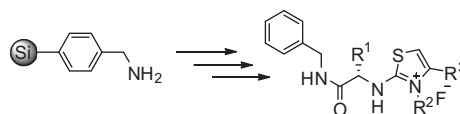
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COMMUNICATIONS

A facile approach to the synthesis of 3,4-disubstituted-2-aminothiazolium derivatives through the use of a 'volatilizable' support

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Yangmei Li, Marc Giulianotti, Richard A. Houghten*

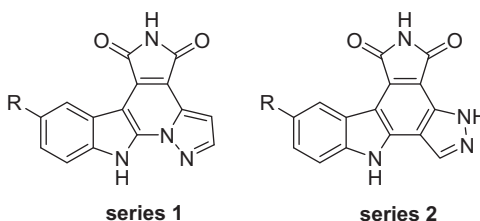


A facile solid-phase synthetic approach to the synthesis of 3,4-disubstituted-2-aminothiazole derivatives was reported. Functionalized aminomethylphenyl silica gel was used as a 'volatilizable' support. The products were cleaved with 10% HF and were obtained in high yields and purities.

Synthesis of two series of pyrazolic analogues of the marine alkaloids granulatimide and isogranulatimide as potent Checkpoint 1 kinase inhibitors

pp 5640–5642

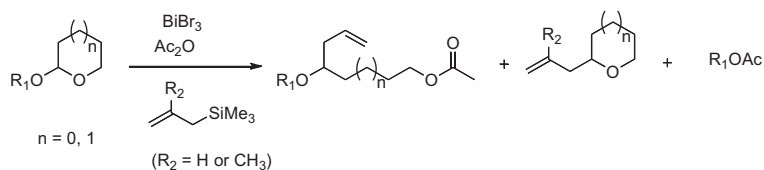
Sébastien Deslandes, Stefan Chassaing, Evelyne Delfourne*



Bismuth(III) bromide in organic synthesis. A catalytic method for the allylation of tetrahydrofuranyl and tetrahydropyrynyl ethers

pp 5643–5645

Scott W. Krabbe, Veronica V. Angeles, Ram S. Mohan*



A new strategy for the chemoselective sulfonamide N-alkylation of sulfonyl ureas under neutral and mild conditions

pp 5646–5648

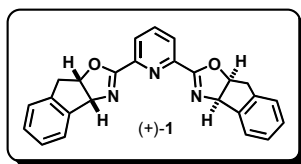
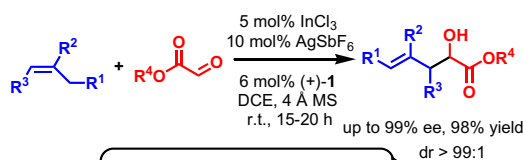
Mehdi Adib*, Ehsan Sheikhi, Gita Sheikhi Moghaddam, Hamid Reza Bijanzadeh



Significant counterion effect of the In(III)–pybox complex in highly enantioselective carbonyl-ene reactions of ethyl glyoxylate

pp 5649–5652

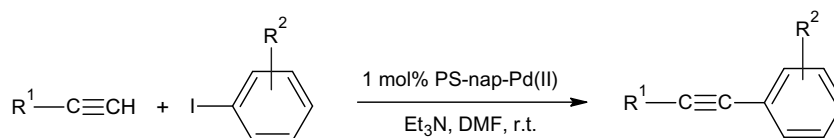
Jun-Feng Zhao, Teguh-Budiono W. Tjan, Teck-Peng Loh*



Copper- and phosphine-free Sonogashira coupling reactions of aryl iodides catalyzed by an *N,N*-bis(naphthylideneimino)diethylenetriamine-functionalized polystyrene resin supported Pd(II) complex under aerobic conditions

pp 5653–5656

Mohammad Bakherad*, Amir H. Amin, Ali Keivanloo, Bahram Bahramian, Mersad Raeissi

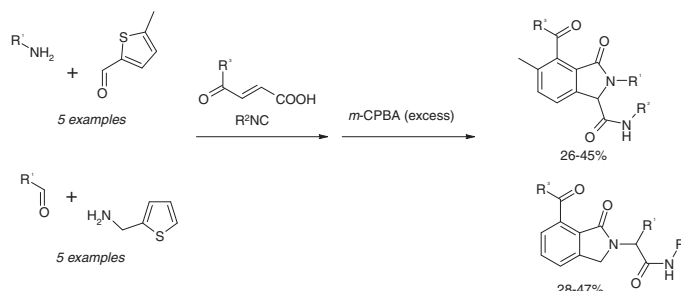


A polymer-supported palladium(II) *N,N*-bis(naphthylideneimino)diethylenetriamine complex is found to be a highly active catalyst for Sonogashira coupling reactions. The reactions are performed under copper- and phosphine-free conditions in an air atmosphere.

Thiophene-containing products of the Ugi reaction in an oxidation-triggered IMDA/aromatization cascade: a simple access to 3-oxoindolines

pp 5657–5661

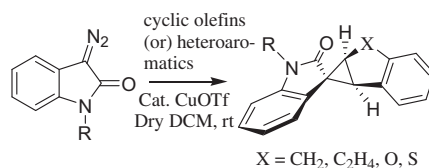
Mikhail Krasavin*, Vadislav Parchinsky



Diastereoselective synthesis of strained spiro-cyclopropanooxindoles from cyclic diazoamides

pp 5662–5665

Sengodagounder Muthusamy*, Datshanamoorthy Azhagan, Boopathy Gnanaprakasam, Eringathodi Suresh

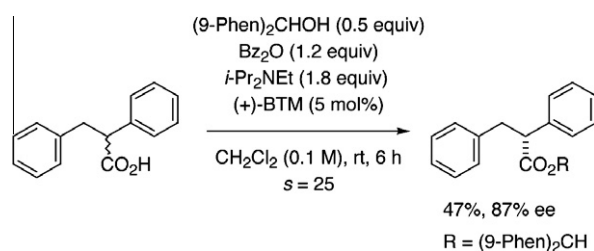


Reaction of cyclic diazoamides and cyclic olefins or heteroaromatic systems using copper(I) triflate as a catalyst furnished a variety of strained spiro-cyclopropanooxindoles in a diastereoselective manner.

An effective kinetic resolution of racemic α -arylpropanoic acids, α -arylbutanoic acids, and β -substituted- α -arylpropanoic acids with bis(9-phenanthryl)methanol as a new achiral nucleophile in the asymmetric esterification using carboxylic anhydrides and the acyl-transfer catalyst

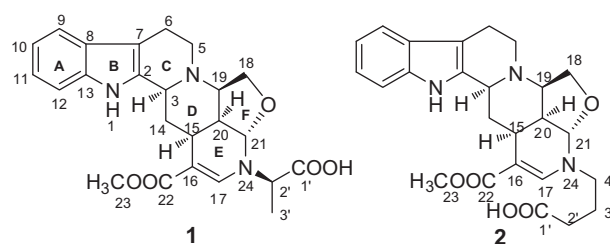
pp 5666–5669

Kenya Nakata, Yu-suke Onda, Keisuke Ono, Isamu Shiina*

**Aminocadambines A and B, two novel indole alkaloids from *Neolamarckia cadamba***

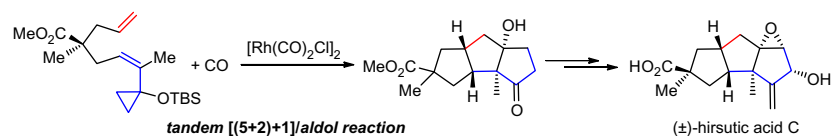
pp 5670–5673

Ling-Li Liu, Ying-Tong Di, Qiang Zhang, Xin Fang, Feng Zhu, Dong-Lin Chen, Xiao-Jiang Hao*, Hong-Ping He*

**Formal total synthesis of (\pm)-hirsutic acid C using the tandem Rh(I)-catalyzed [(5+2)+1] cycloaddition/aldol reaction**

pp 5674–5676

Changxia Yuan, Lei Jiao, Zhi-Xiang Yu*



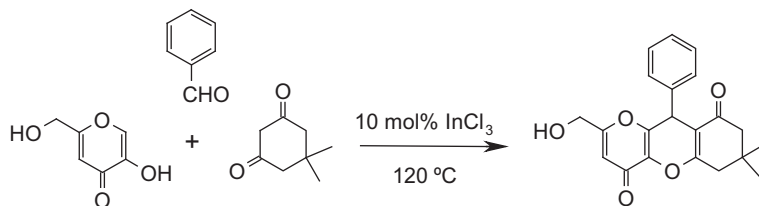
A concise formal total synthesis of the linear triquinane natural product (\pm)-hirsutic acid C has been achieved. This synthesis features a tandem Rh(I)-catalyzed [(5+2)+1] cycloaddition/aldol reaction as the key step to build the triquinane skeleton.



InCl₃-catalyzed three-component reaction: a novel synthesis of dihydropyrano[3,2-b]chromenediones under solvent-free conditions

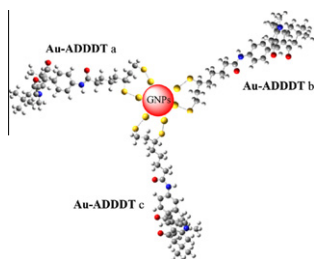
pp 5677–5679

B. V. Subba Reddy*, M. Ramana Reddy, G. Narasimhulu, J. S. Yadav

**Acridinedione-functionalized gold nanoparticles and model for the binding of 1,3-dithiol linked acridinedione on gold clusters**

pp 5680–5685

Ranganathan Velu, E. J. Padma Malar*, Vayalakkavoor T. Ramakrishnan, Perumal Ramamurthy*

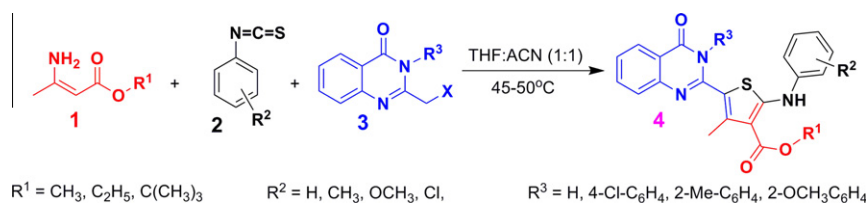


DFT modeling reveals the feasibility of 1,2-mode of capping between 1,3-dithiol ligands and gold cluster leading to three conformers of covalently bound complex.

**A versatile one-pot multicomponent synthesis of novel quinazolinon-2-yl-tetrasubstituted thiophenes**

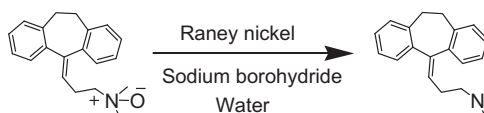
pp 5686–5689

Hitesh B. Jalani, Jitendra C. Kaila, Arshi B. Baraiya, Amit N. Pandya, V. Sudarsanam, Kamala K. Vasu*

**A chemoselective deoxygenation of N-oxides by sodium borohydride–Raney nickel in water**

pp 5690–5693

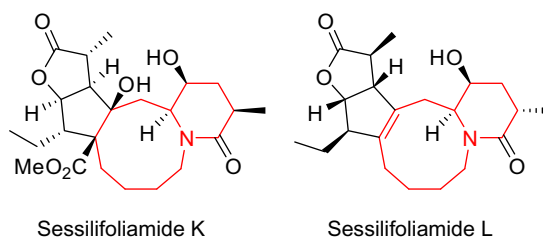
Narendra B. Gowda, Gopal Krishna Rao, Ramesha A. Ramakrishna*



Sessilifoliamides K and L: new alkaloids from *Stemona sessilifolia*

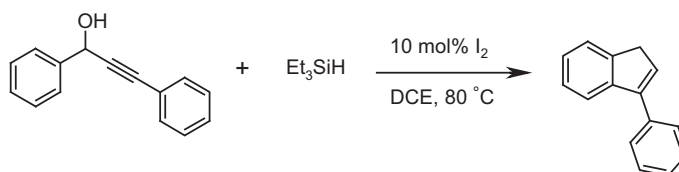
pp 5694–5696

Yukio Hitotsuyanagi, Gou Uemura, Koichi Takeya*

**Iodine/ Et_3SiH : a novel reagent system for the synthesis of 3-aryl-1*H*-indenes from 1,3-diaryl propargyl alcohols**

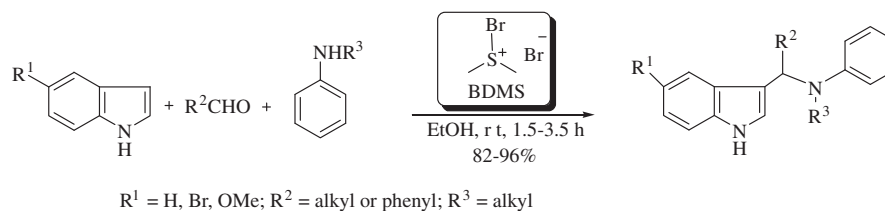
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B. V. Subba Reddy*, B. Brahma Reddy, K. V. Raghavendra Rao, J. S. Yadav

**Bromodimethylsulfonium bromide (BDMS)-catalyzed multicomponent synthesis of 3-aminoalkylated indoles**

pp 5701–5703

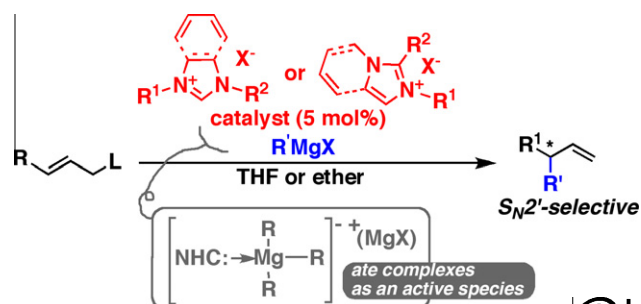
Deepak K. Yadav, Rajesh Patel, Vishnu P. Srivastava, Geeta Watal, Lal Dhar S. Yadav*

**Grignard allylic substitution catalyzed by imidazol-2-ylidene- and imidazol-4-ylidene-magnesium complexes**

pp 5704–5707

Sentaro Okamoto*, Hiroyuki Ishikawa, Yoshimi Shibata, Yu-ichiro Suhara

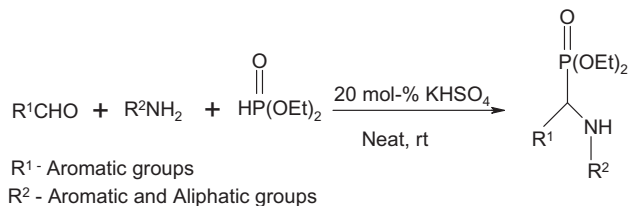
Imidazol-2- and -4-ylidenes, generated in situ from the corresponding imidazolium salts, catalytically activates alkyl Grignard reagents to enable $\text{S}_{\text{N}}2'$ -selective allylic substitution reactions under transition metal-free conditions.



KHSO₄-mediated synthesis of α -amino phosphonates under a neat condition and their ³¹P NMR chemical shift assignments

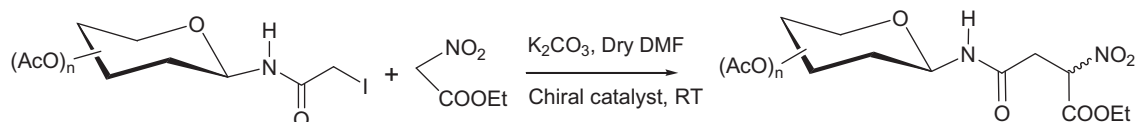
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P. Thirumurugan, A. Nandakumar, N. Sudha Priya, D. Muralidaran, P. T. Perumal*

**A novel strategy toward the synthesis of *N*-(β -glycosyl)asparagines based on the alkylation of ethyl nitroacetate using *N*-(β -glycosyl)iodoacetamides**

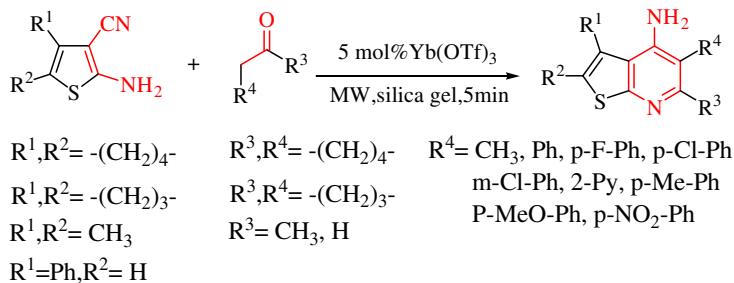
pp 5713–5717

Katari J. V. Paul, Laxminarayan Sahoo, Duraikkannu Loganathan*

**Microwave-assisted novel synthesis of amino-thieno[3,2-*b*]pyridines under solvent-free conditions**

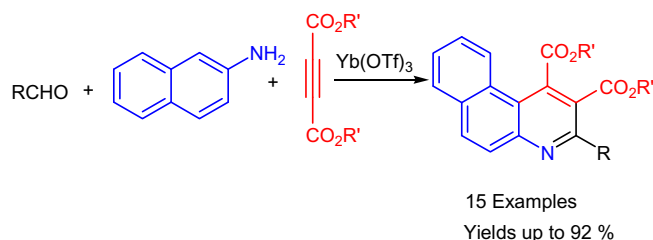
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Weike Su*, Shaozheng Guo, Zhi Hong, Ren'er Chen

**Yb(OTf)₃: an efficient catalyst for the synthesis of 3-arylbenzo [*f*]quinoline-1,2-dicarboxylate derivatives via imino-Diels–Alder reaction**

pp 5721–5723

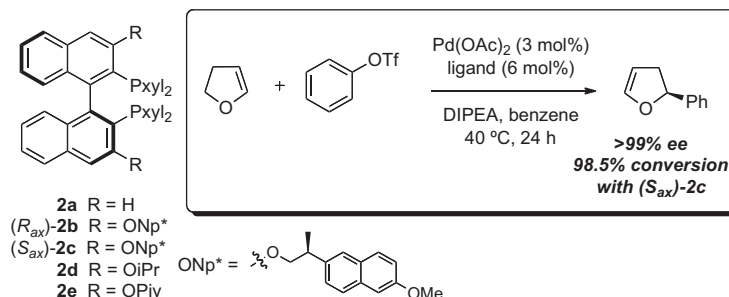
Xiang-Shan Wang*, Jie Zhou, Ke Yang, Chang-Sheng Yao



Application of 3,3'-disubstituted xylyBINAP derivatives in inter- and intramolecular asymmetric Heck/Mizoroki reactions

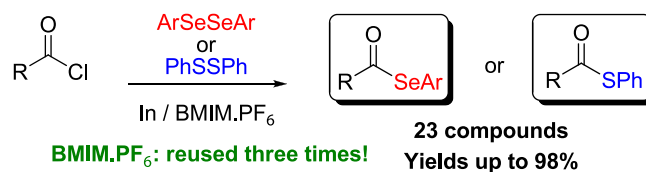
pp 5724–5727

Danica A. Rankic, Daniela Lucciola, Brian A. Keay*

**Ionic liquid: an efficient and reusable media for seleno- and thioester synthesis promoted by indium**

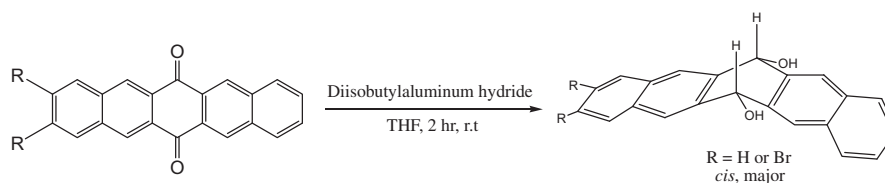
pp 5728–5731

Greice Tabarelli, Eduardo E. Alberto*, Anna M. Deobald, Graciane Marin, Oscar E. D. Rodrigues, Luciano Dornelles*, Antonio L. Braga*

**Efficient synthesis and conformational investigations of cis-pentacenediols**

pp 5732–5735

Jinyue Jiang, Charles E. Schiaffo, Chris P. Schwartz, Yong Pei, Joseph J. Dumais, Xiao Cheng Zeng, Patrick H. Dussault, Li Tan*

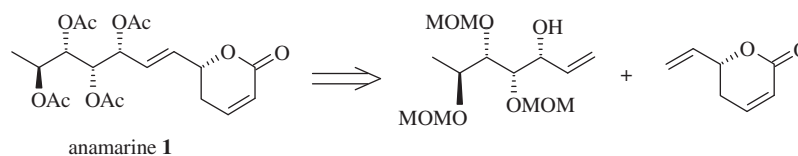


Diisobutylaluminum hydride cleanly reduces pentacene-6,13-diones to selectively form the *cis* isomers of the corresponding diols, useful precursors to functionalized pentacenes. NMR studies demonstrate that the *cis*-diols exist as one major conformer.

**Stereoselective total synthesis of (+)-anamarine via cross-metathesis protocol**

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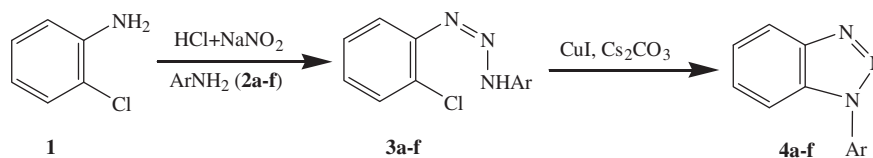
Gowravaram Sabitha*, C. Nagendra Reddy, Peddabuddi Gopal, J. S. Yadav



Facile route for N_1 -aryl benzotriazoles from diazoamino arynes via CuI-mediated intramolecular N-arylation

pp 5740–5743

Raju R. Kale, Virendra Prasad, H. A. Hussain, Vinod K. Tiwari*



A facile and high-yielding protocol for diverse benzotriazoles through intramolecular N-arylation of different *o*-chloro-1,2,3-triazenes using $\text{CuI}/\text{Cs}_2\text{CO}_3$ has been developed under mild reaction condition.

*Corresponding author

Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]



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ISSN 0040-4039