

# Tetrahedron Letters

Volume 54, Issue 11, Pages 1319-1494 (13 March 2013)

## Editorial board

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## Graphical contents list

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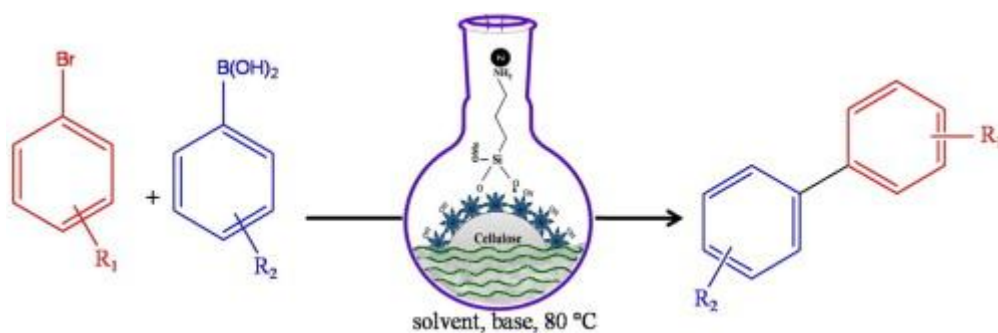
Communications

### **Palladium supported hybrid cellulose–aluminum oxide composite for Suzuki–Miyaura cross coupling reaction**

Pages 1331-1337

Arjun Kumbhar, Sanjay Jadhav, Santosh Kamble, Gajanan Rashinkar, Rajashri Salunkhe

#### Graphical abstract

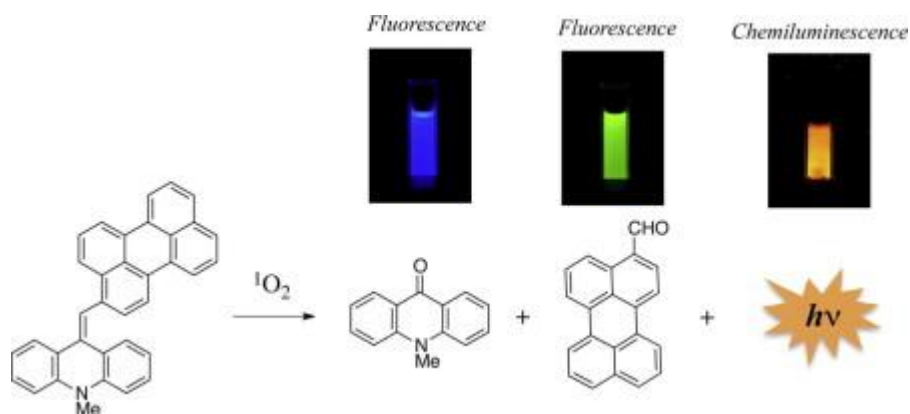


### **Chemiluminescence behavior of fluorescent aromatics tethered 9-methylidene-10-methylacridans involving chemiluminescence resonance energy transfer (CRET) quenching**

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Takayuki Maruyama, Hiroaki Sugishita, Harumi Kujira, Musubu Ichikawa, Yoshiyuki Hattori, Jiro Motoyoshiya

#### Graphical abstract

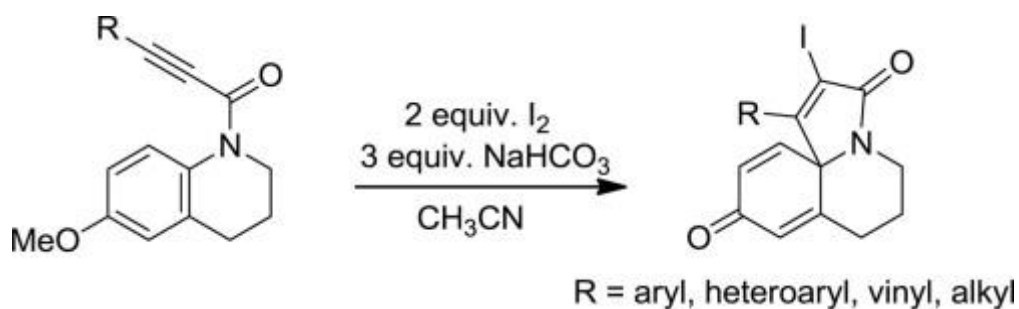


### Synthesis of pyrrolo-[2,1-*j*]quinolone framework via intramolecular electrophilic *ipso*-cyclization

Pages 1344-1347

Lila Low-Beinart, Xiaohan Sun, Eli Sidman, Tanay Kesharwani

#### Graphical abstract

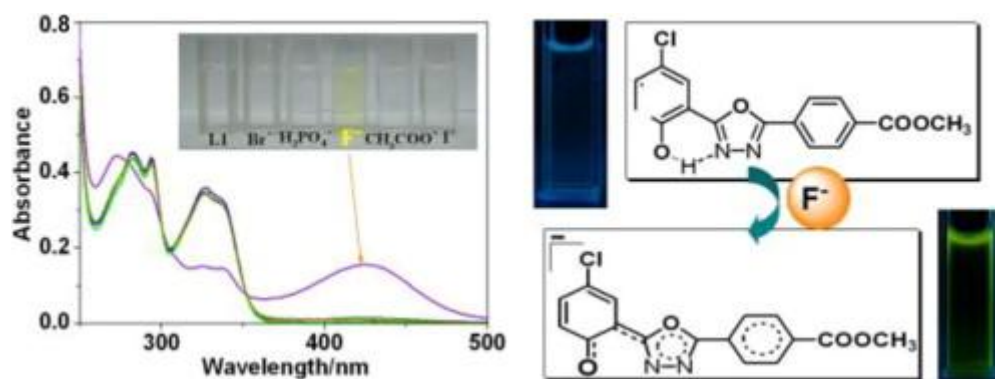


### Selective and colorimetric fluoride chemosensors containing phenol hydroxyl and 1,3,4-oxadiazole groups

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Jiantao Ma, Zhe Li, Yanqing Zong, Yi Men, Guowen Xing

#### Graphical abstract

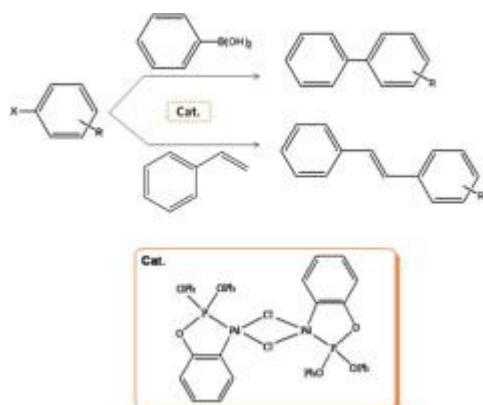


## Application of a dimeric P,C-palladacycle complex as a catalyst in Suzuki and Heck cross-coupling reactions

Pages 1352-1355

Kazem Karami, Mahdiyeh Ghasemi, Nasrin Haghighat Naeini

### Graphical abstract

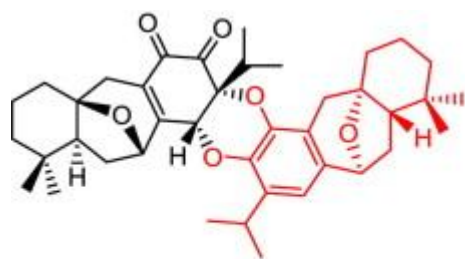


## Obtusinones D and E, linear and angular fused dimeric icetexane diterpenoids from *Premna obtusifolia* roots

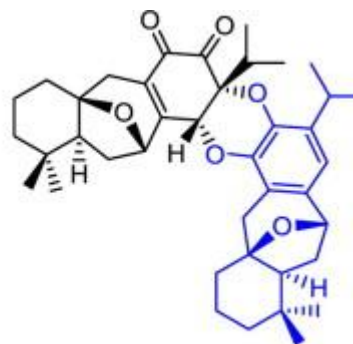
Pages 1356-1359

Abdul-wahab Salae, Nawong Boonnak

### Graphical abstract



Linear fused dimeric icetexane 1



Angular fused dimeric icetexane 2

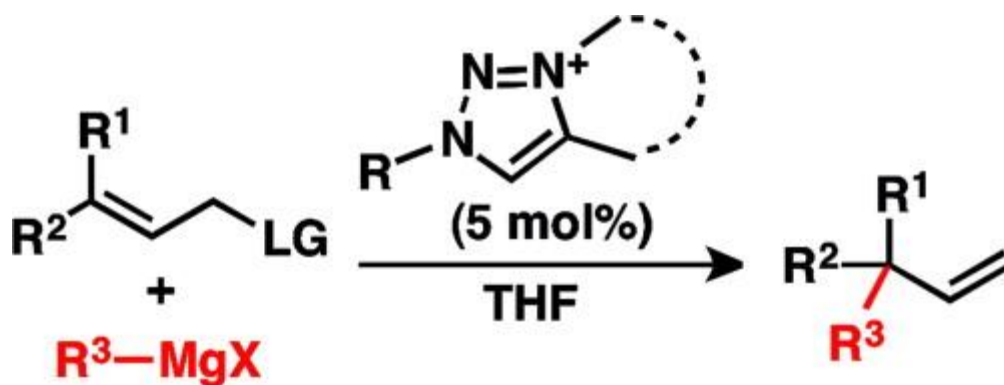
## Grignard allylic substitution reaction catalyzed by 1,2,3-triazol-5-ylidene magnesium complexes

Pages 1360-1363

Ryosuke Nomura, Yuji Tsuchiya, Hiroyuki Ishikawa, Sentaro Okamoto

### Graphical abstract

The  $S_N2'$ -selective Grignard-allylic substitution reactions were effectively catalyzed by 1,2,3-triazol-5-ylidene magnesium complexes generated in situ from 1,3,4-trisubstituted 1,2,3-triazolium salts and the Grignard reagent.

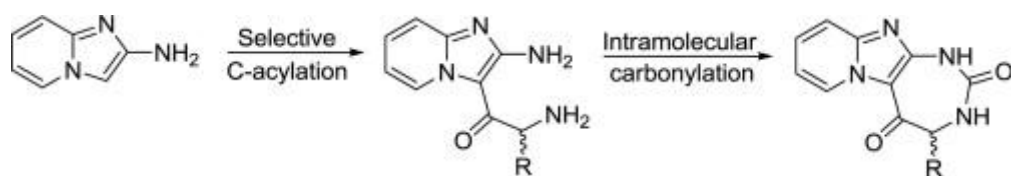


## An efficient synthesis of pyrido-imidazodiazepinediones

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Dominique P. Arama, Vincent Lisowski, Eliana Scarlata, Pierre Fulcrand, Ludovic T. Maillard, Jean Martinez, Nicolas Masurier

### Graphical abstract

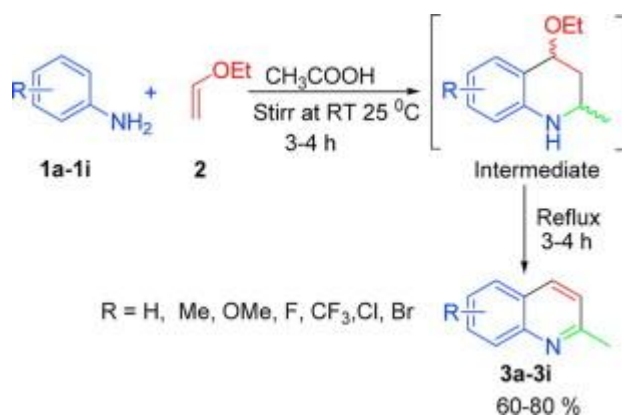


## High throughput one pot synthesis of 2-methylquinolines

Pages 1368-1370

Kiran Kumar H. Chandrashekarappa, Kittappa M. Mahadevan, Kiran B. Manjappa

### Graphical abstract

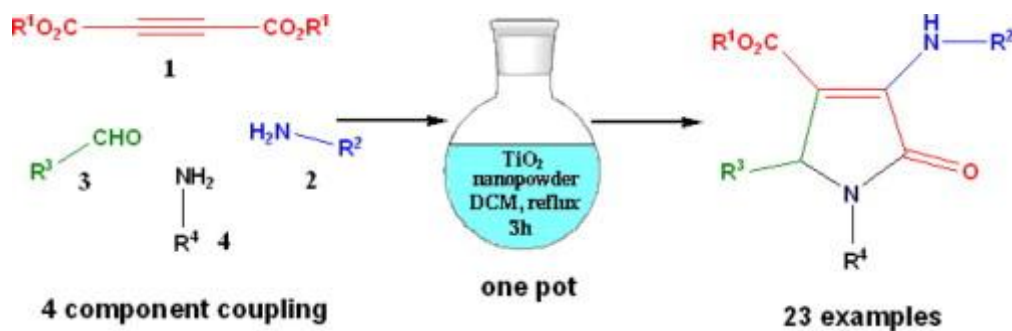


## Site-selective multicomponent synthesis of densely substituted 2-oxo dihydropyrroles catalyzed by clean, reusable, and heterogeneous TiO<sub>2</sub> nanopowder

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Sunil Rana, Mike Brown, Arghya Dutta, Asim Bhaumik, Chhanda Mukhopadhyay

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## Tataricins A and B, two novel cyclotetrapeptides from *Aster tataricus*, and their absolute configuration assignment

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Hui-Min Xu, Hua Yi, Wen-Bing Zhou, Wen-Jun He, Gang-Zhi Zeng, Wen-Yan Xu, Ning-Hua Tan

### Graphical abstract

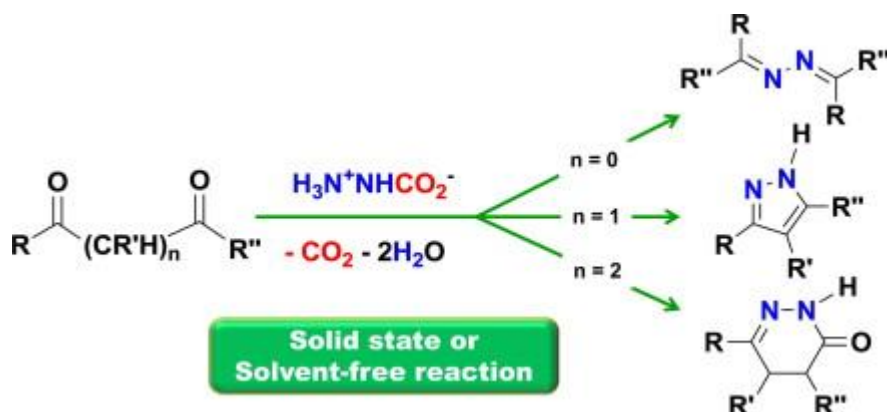


## Solid-state and solvent-free synthesis of azines, pyrazoles, and pyridazinones using solid hydrazine

Pages 1384-1388

Byeongno Lee, Philjun Kang, Kyu Hyung Lee, Jaeheung Cho, Wonwoo Nam, Won Koo Lee, Nam Hwi Hur

### Graphical abstract

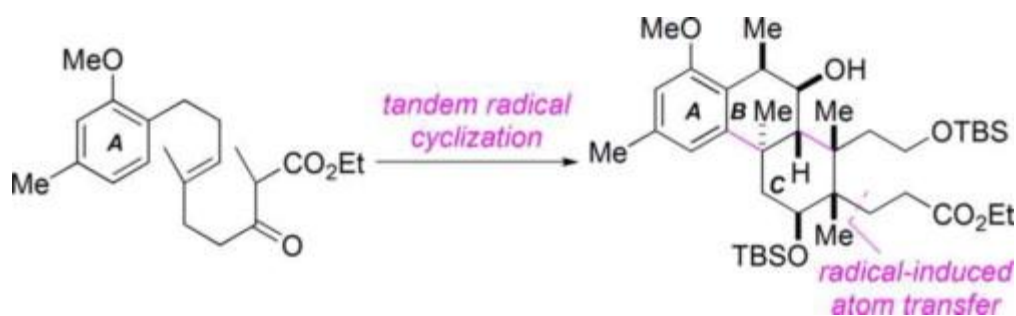


## Stereoselective synthesis of zoanthenol ABC-ring by radical strategy

Pages 1389-1391

Shuji Yamashita, Naoki Suda, Yujiro Hayashi, Masahiro Hiramata

### Graphical abstract

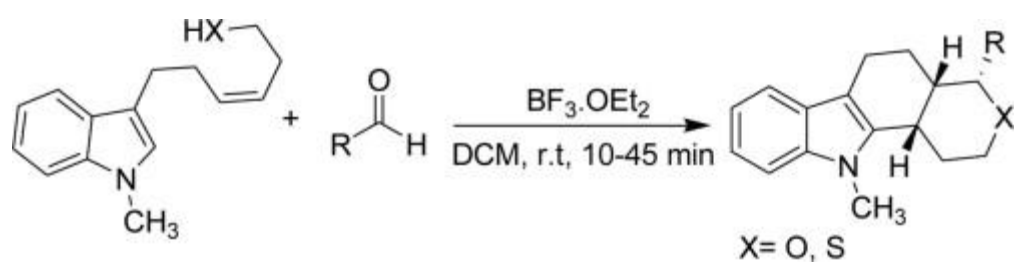


## Novel protocol for the synthesis of octahydropyrano- and thiopyrano[4,3-a]carbazole derivatives via Prins/Friedel–Crafts cyclization

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B.V. Subba Reddy, P. Sivaramakrishna Reddy, J.S. Yadav, B. Sridhar

### Graphical abstract

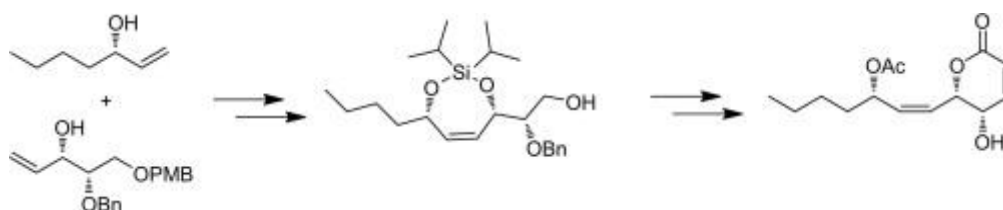


## Stereoselective synthesis of pectinolide C

Pages 1397-1400

T. Vijaya Kumar, G. Shankaraiah, K. Suresh Babu, J. Madhusudana Rao

### Graphical abstract

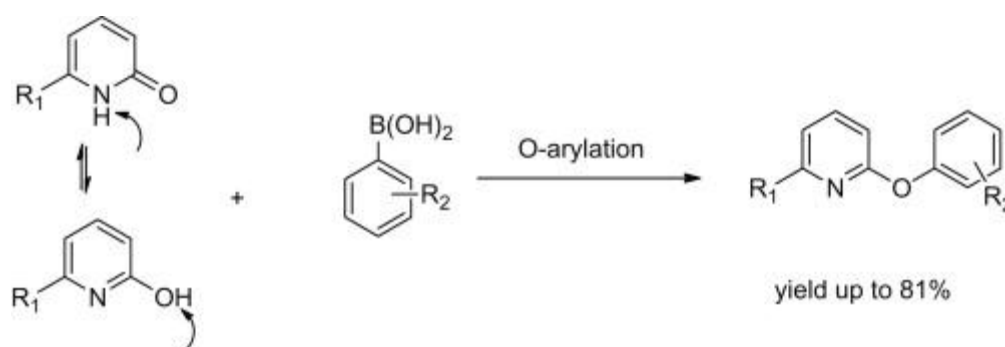


## Cu-mediated selective O-arylation on C-6 substituted pyridin-2-ones

Pages 1401-1404

Taijie Chen, Qingqing Huang, Yu Luo, Youhong Hu, Wei Lu

### Graphical abstract

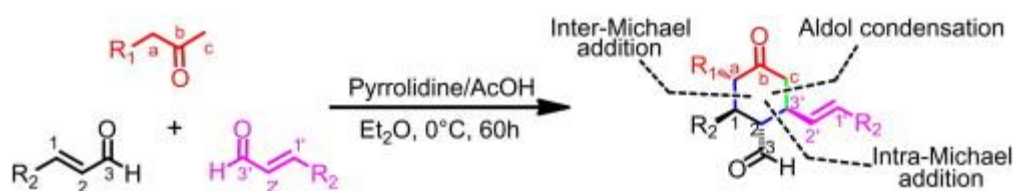


## Pyrrolidine catalyzed novel domino reaction for the synthesis of polysubstituted 4-oxocyclohexanecarbaldehyde derivatives

Pages 1405-1408

Feng-Zu Bao, Xiao-Bing Wang, Ling-Yi Kong

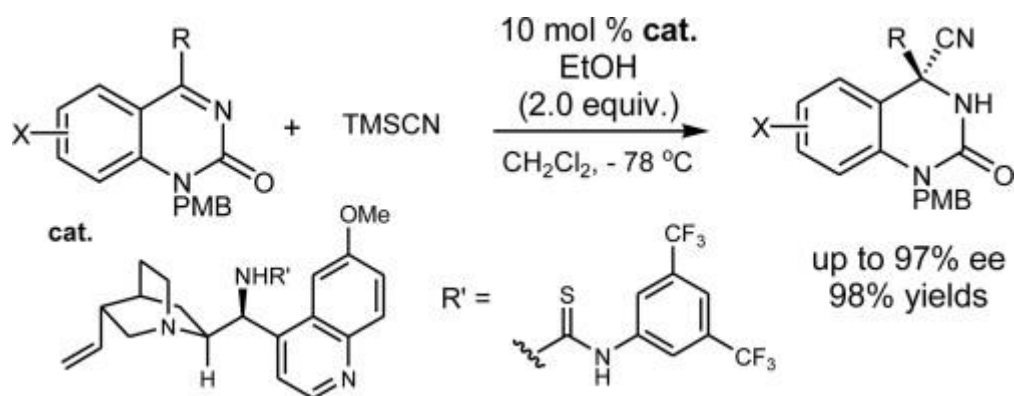
### Graphical abstract



## Organocatalytic enantioselective Strecker reaction of cyclic trifluoromethyl-ketoimines

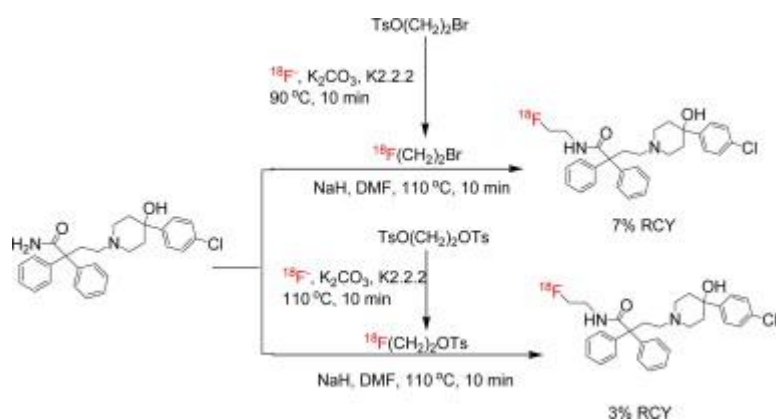


### Graphical abstract



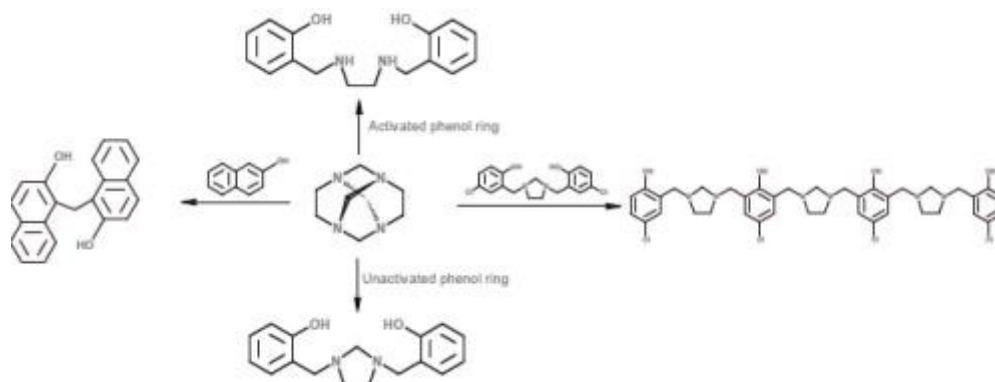
### Radiosynthesis of $^{18}\text{F}$ -labeled *N*-desmethyl-loperamide analogues for prospective molecular imaging radiotracers

### Graphical abstract



### Solvent-free Mannich-type reaction of tetraazatricyclododecane (TATD) with phenols

## Graphical abstract

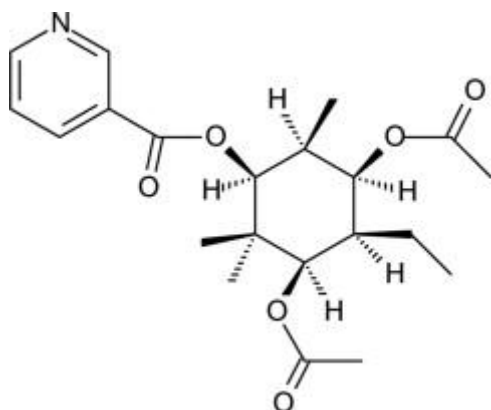


## Myrciaine, a new nicotinic ester from *Myrcia blanchetiana* (Myrtaceae)

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Martins D. de Cerqueira, Lourdes C. de Souza-Neta, Maria L.S. Guedes, Roberto Rivelino, Frederico G. Cruz

## Graphical abstract

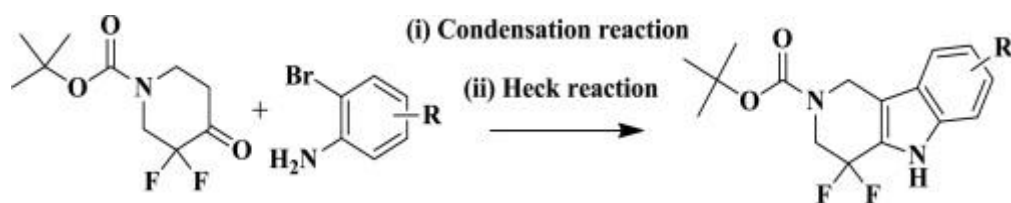


## Novel synthesis of 4,4-difluoropyrido[4,3-*b*]indoles via intramolecular Heck reaction

Pages 1424-1427

M. Madaiah, M.K. Prashanth, H.D. Revanasiddappa

## Graphical abstract

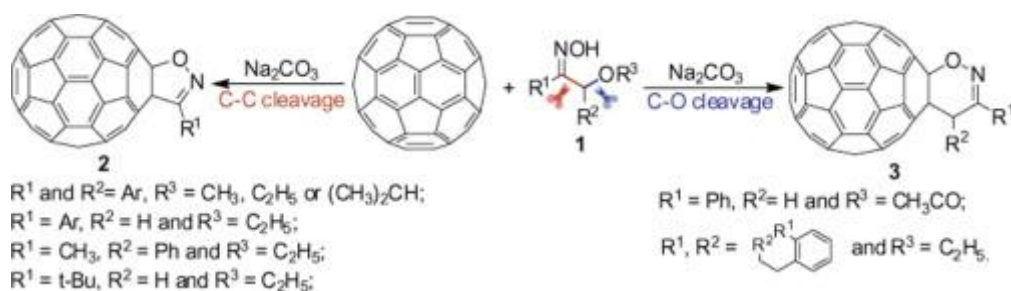


## Reaction of [60]fullerene with $\alpha$ -alkoxy/acyloxy/phenoyl ketoxime: unusual C–C and C–O bond cleavage

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Hai-Tao Yang, Wen-Long Ren, Xiao-Jiao Ruan, Zong-Yong Tian, Xi-Chen Liang, Chen Han, Xiao-Qiang Sun, Chun-Bao Miao

## Graphical abstract

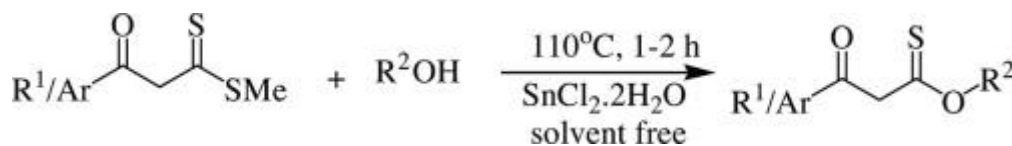


## An efficient transesterification of $\beta$ -oxodithioesters catalyzed by stannous chloride under solvent-free conditions

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Nepram Sushuma Devi, Sarangthem Joychandra Singh, Okram Mukherjee Singh

## Graphical abstract



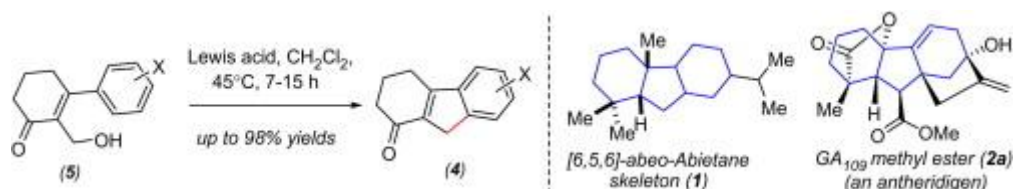
## Approach to the core structure of *abeo*-abietanes and gibberellins via

## Stork–Danheiser sequence followed by Friedel–Crafts alkylations

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Badrinath N. Kakde, Subhajit Bhunia, Alakesh Bisai

### Graphical abstract

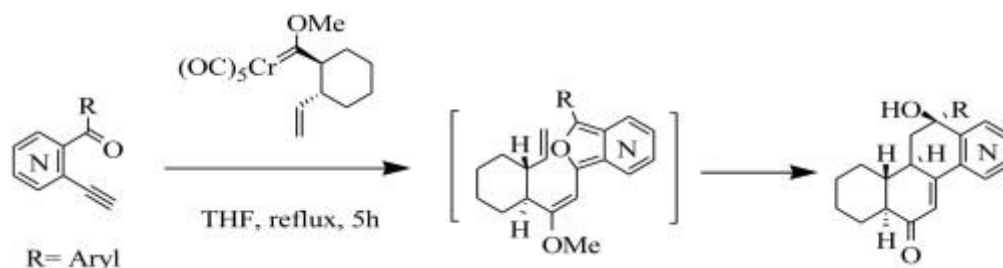


## Synthesis of azahomosteroid ring system through intramolecular [4+2] cycloaddition of in situ generated azaisobenzofuran intermediates

Pages 1440-1443

Priyabrata Roy, Partha Mitra, Binay Krishna Ghorai

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## (±)-CSA catalyzed Friedel–Crafts alkylation of indoles with 3-ethoxycarbonyl-3-hydroxyisoindolin-1-one: an easy access of 3-ethoxycarbonyl-3-indolylisoindolin-1-ones bearing a quaternary $\alpha$ -amino acid moiety

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Anvita Srivastava, Shivendra Singh, Sampak Samanta

### Graphical abstract

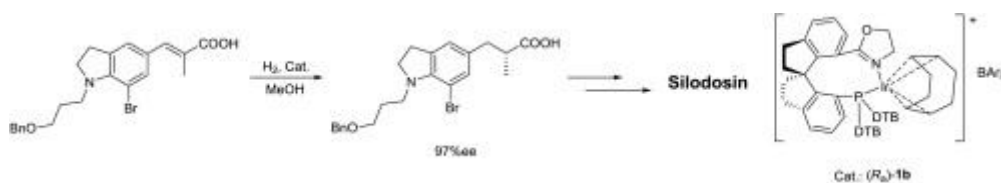


## First asymmetric synthesis of Silodosin through catalytic hydrogenation by using Ir-SIPHOX catalysts

Pages 1449-1451

Pu-Cha Yan, Xian-Yi Zhang, Xiao-Wei Hu, Bin Zhang, Xiang-Dong Zhang, Michael Zhao, Da-Qing Che, Yuan-Qiang Li, Qi-Lin Zhou

### Graphical abstract

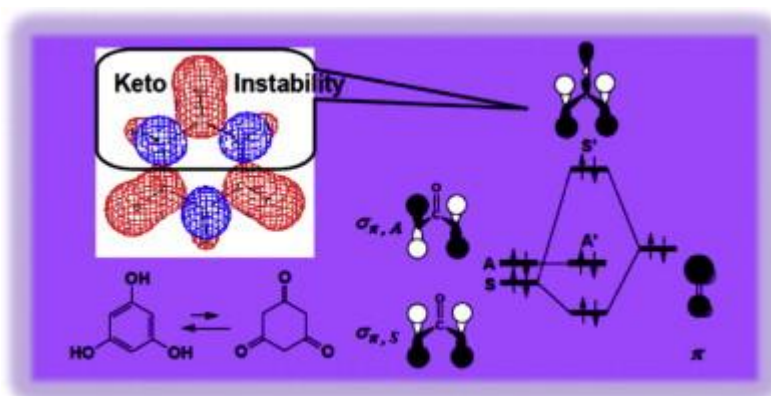


## Through-bond instability in polyphenol tautomers

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Masashi Hatanaka

### Graphical abstract

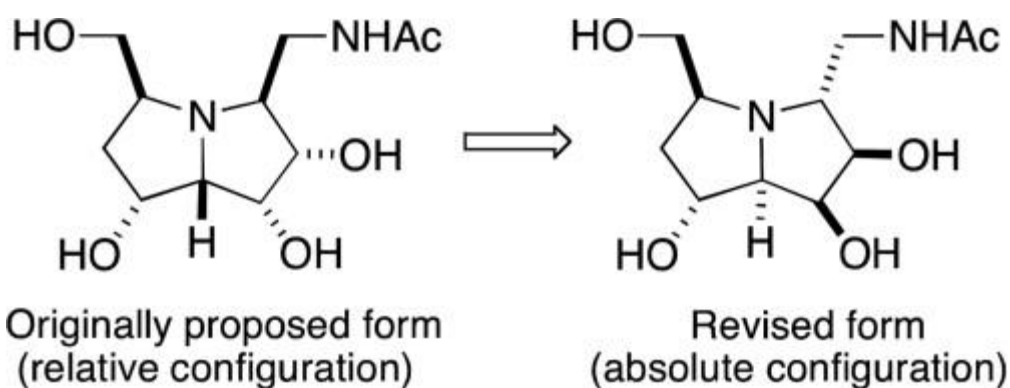


## Total synthesis of the proposed structure for pochonicine and determination of its absolute configuration

Pages 1456-1459

Yujiro Kitamura, Hiroyuki Koshino, Takemichi Nakamura, Aya Tsuchida, Teruhiko Nitoda, Hiroshi Kanzaki, Koji Matsuoka, Shunya Takahashi

### Graphical abstract

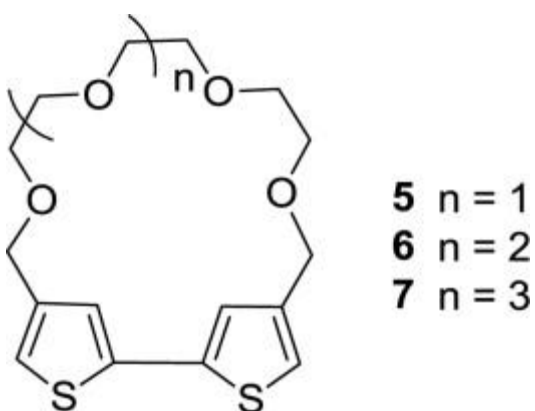


## Macrocycles with bithiophene units: synthesis, structure, and electrochemical properties

Pages 1460-1462

Dora Demeter, Claudia Lar, Jean Roncali, Ion Grosu

### Graphical abstract



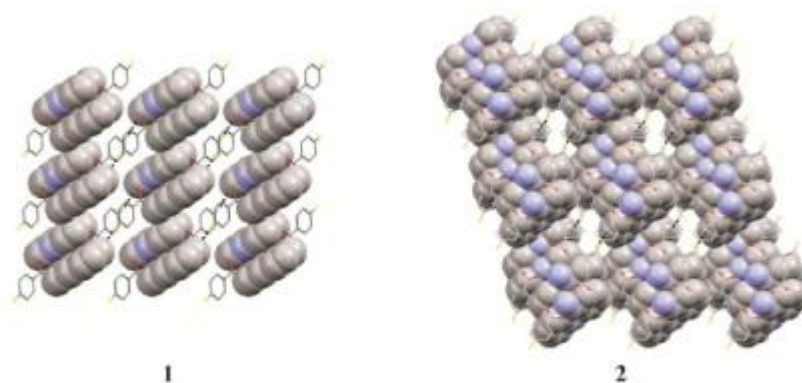
## Co-crystals and salts formed from 4-fluorobenzoic acid and

## heteroaromatic nitrogenous bases

Pages 1463-1466

Artur Sikorski, Damian Trzybiński

### Graphical abstract

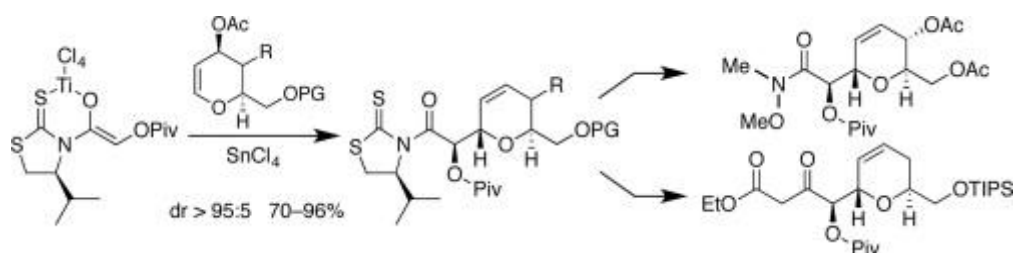


## Stereoselective synthesis of C-glycosides by addition of titanium enolates from a chiral *N*-glycolyl thiazolidinethione to glycols

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Erik Gálvez, Miriam Sau, Pedro Romea, Fèlix Urpí, Mercè Font-Bardia

### Graphical abstract

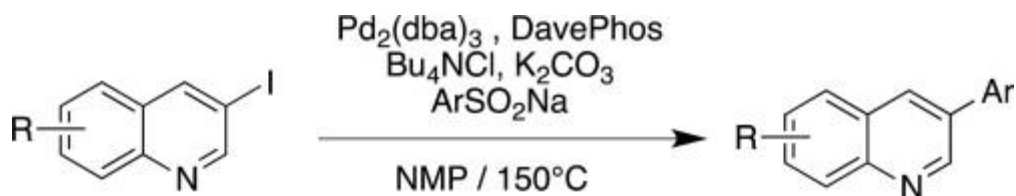


## Palladium-catalyzed desulfitative arylation of 3-haloquinolines with arylsulfonates

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Julie Colomb, Thierry Billard

### Graphical abstract

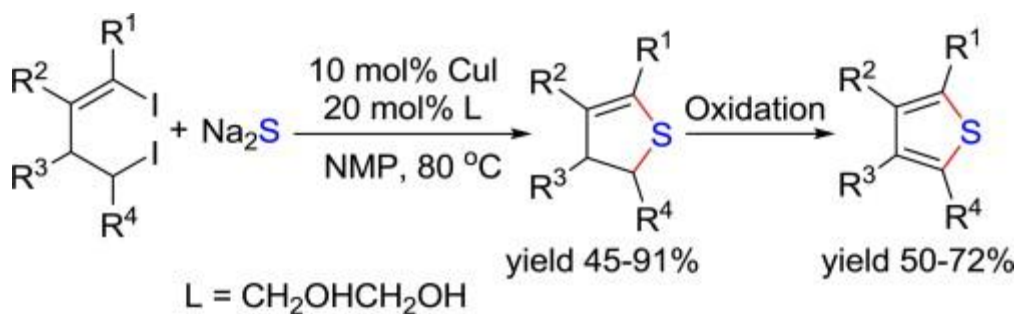


### Copper-catalyzed tandem S-alkylation and S-alkenylation of sodium sulfide: synthesis of 2,3-dihydrothiophenes and thiophenes

Pages 1475-1477

Qian Liao, Wei You, Zhen-Bang Lou, Li-Rong Wen, Chanjuan Xi

#### Graphical abstract



### [3+2] Cycloadditions of $\alpha$ -acyl ketene dithioacetals with propargylamines: pyrrole synthesis in water

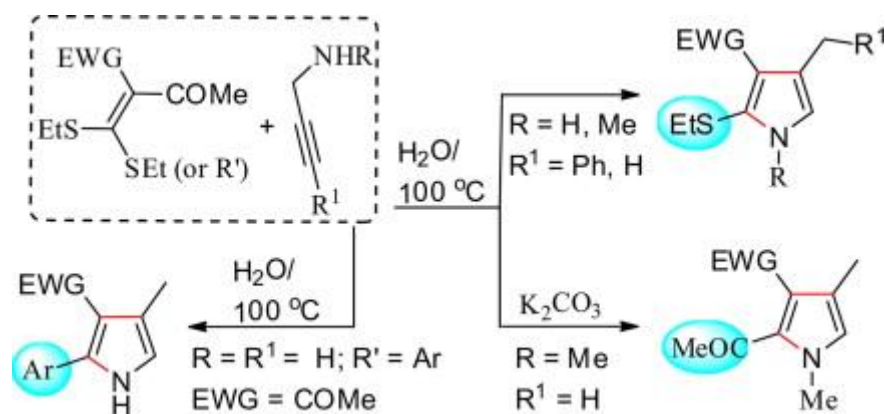
Pages 1478-1481

Chuan-Qing Ren, Chong-Hui Di, Yu-Long Zhao, Jing-Ping Zhang

#### Graphical abstract

A series of 2,3,4-trisubstituted and 1,2,3,4-tetrasubstituted pyrroles were synthesized via [3+2] cycloaddition of  $\alpha$ -acyl ketene dithioacetals (or related substrates) with commercially available propargylamines as 1,3-dipoles in water. Most of the reactions can be performed in the absence of an external base. The reaction of secondary amine (*N*-methylprop-2-yn-1-amine) with  $\alpha$ -acyl ketene dithioacetals showed different reaction behaviours depending on the addition or absence of an external base.



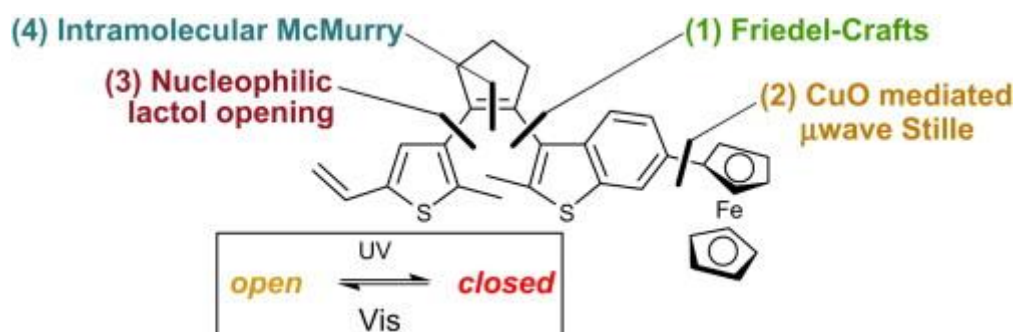


## Synthesis of a ferrocene-functionalized unsymmetrical benzo[*b*]thienyl-thienylethene photoswitch with a cyclopentene core

Pages 1482-1485

Nathaniel B. Zuckerman, Xiongwu Kang, Shaowei Chen, Joseph P. Konopelski

### Graphical abstract

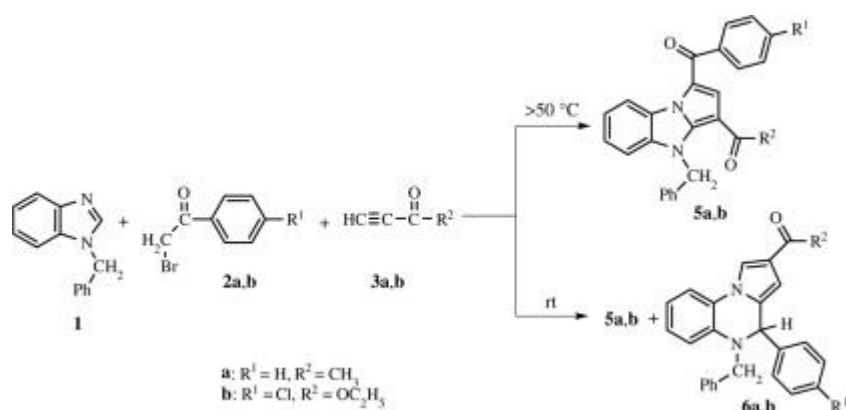


## Unexpected formation of pyrrolo[1,2-*a*]quinoxaline derivatives during the multicomponent synthesis of pyrrolo[1,2-*a*]benzimidazoles

Pages 1486-1488

Alina Nicolescu, Calin Deleanu, Emilian Georgescu, Florentina Georgescu, Ana-Maria Iurascu, Sergiu Shova, Petru Filip

### Graphical abstract

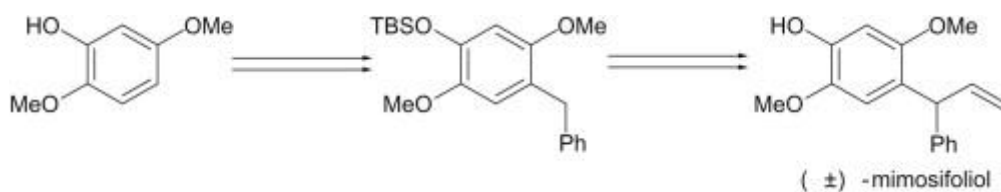


## Total synthesis of (±)-mimosifoliol by lateral lithiation

Pages 1489-1490

Iustina Slabu, Steven B. Rossington, Patrick M. Killoran, Nicholas Hirst, James A. Wilkinson

### Graphical abstract



## Direct access to novel chromeno-pyrimidine-N-oxides via tandem base catalyzed double nucleophilic addition/dehydration reaction

Pages 1491-1494

Venkata Prasad Jalli, Satyanarayana Reddy Jaggavarapu, Anand Solomon Kamalakaran, Sravan Kumar Gangisetty, Jagadeesh Babu Nanubolu, Gopikrishna Gaddamanugu

### Graphical abstract

