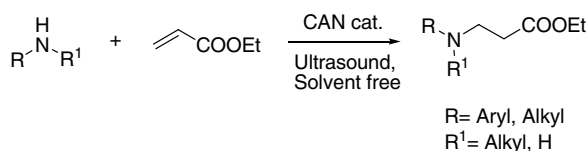


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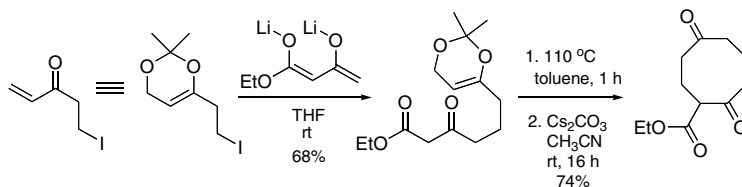
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Zheng Duan,\* Xuejie Xuan, Ting Li, Chenfei Yang and Yangjie Wu\*



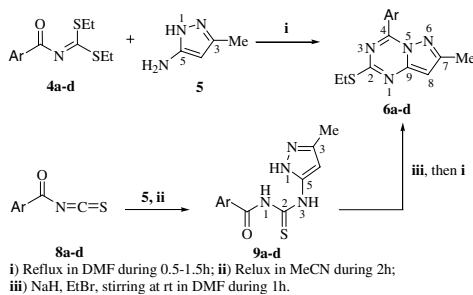
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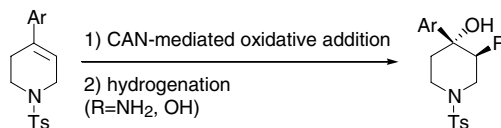
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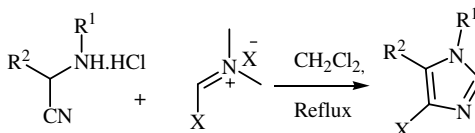
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Meng-Yang Chang,\* Chun-Yu Lin and Tsun-Cheng Wu

Ar=, (a) C<sub>6</sub>H<sub>5</sub>; (b) 4-FC<sub>6</sub>H<sub>4</sub>; (c) 4-ClC<sub>6</sub>H<sub>4</sub>; (d) 4-BrC<sub>6</sub>H<sub>4</sub>; (e) 2-MeC<sub>6</sub>H<sub>4</sub>; (f) 3-CF<sub>3</sub>C<sub>6</sub>H<sub>4</sub>**Synthesis of 1,5-disubstituted 4-haloimidazoles from  $\alpha$ -aminonitriles**

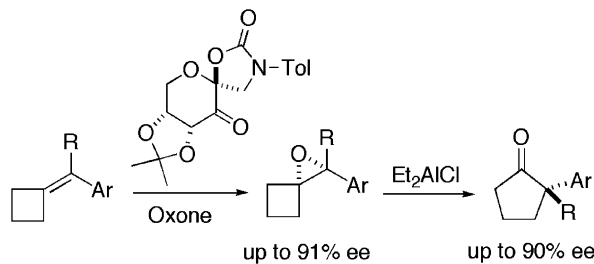
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Vijaykumar G. Pawar, Wim M. De Borggraeve,\* Koen Robeyns, Luc Van Meervelt, Frans Compennolle and Georges Hoornaert

**Enantioselective synthesis of 2-alkyl-2-aryl cyclopentanones by asymmetric epoxidation of tetrasubstituted cyclobutylidene olefins and epoxide rearrangement**

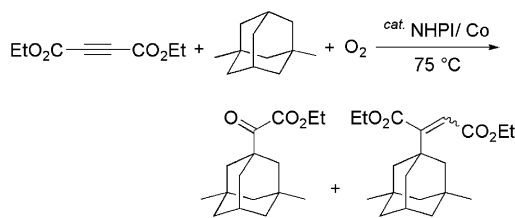
pp 5455–5458

Yu-Mei Shen, Bin Wang and Yian Shi\*

**Addition of adamantanes to acetylenic carboxylates catalyzed by *N*-hydroxyphthalimide (NHPI)**

pp 5459–5461

Takashi Kagayama, Masami Nakayama, Ryohei Oka, Satoshi Sakaguchi and Yasutaka Ishii\*

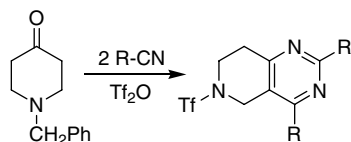


Radical addition of 1,3-dimethyladamantane to diethyl acetylenedicarboxylate was catalyzed by NHPI combined with Co species under O<sub>2</sub> to give the corresponding adducts.

**A facile synthesis of new tetrahydropyrido[4,3-d]pyrimidine derivatives**

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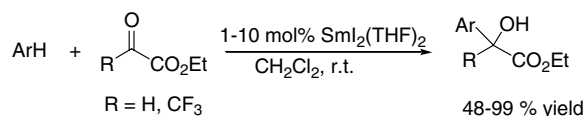
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**Friedel–Crafts reactions catalyzed by samarium diiodide**

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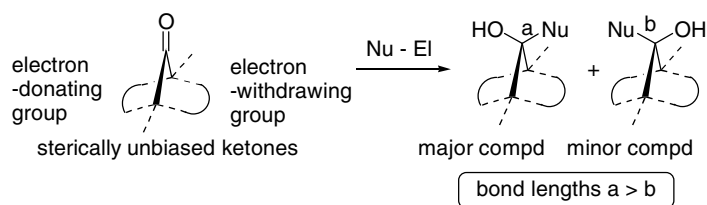
Mohamad Soueidan, Jacqueline Collin\* and Richard Gil\*



**Manifestation of stereoelectronic effects on the calculated carbon–nucleophile bond lengths in nucleophilic addition to sterically unbiased ketones**

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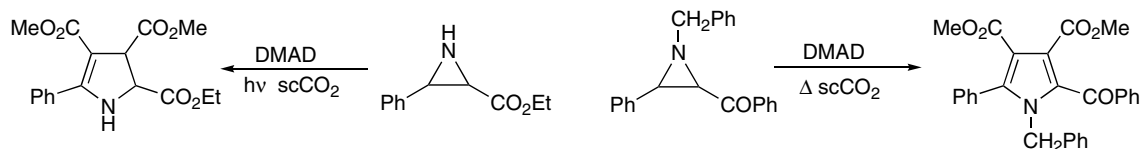
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**1,3-Dipolar cycloaddition of azomethine ylides generated from aziridines in supercritical carbon dioxide**

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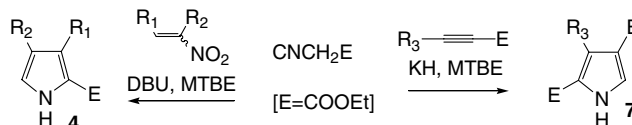
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**Remarkable solvent effect in Barton–Zard pyrrole synthesis: application in an efficient one-step synthesis of pyrrole derivatives**

pp 5481–5484

Apurba Bhattacharya,\* Sankara Cherukuri, Robert Erik Plata, Nitinchandra Patel, Victoriano Tamez, Jr., John A. Grosso, Michael Peddicord and Venkatapuram A. Palaniswamy

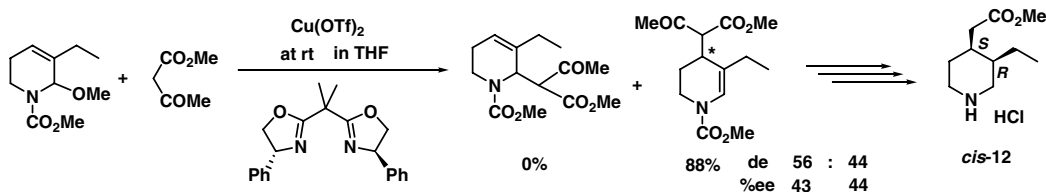


A unique solvent effect encountered in the Barton–Zard pyrrole synthesis was exploited to develop an efficient synthesis of pyrrole derivatives.

**Copper ion-catalyzed regioselective introduction of active methylene groups into the  $\gamma$ -position of piperidine skeleton and its application to the synthesis of (–)-cincholoiponic acid**

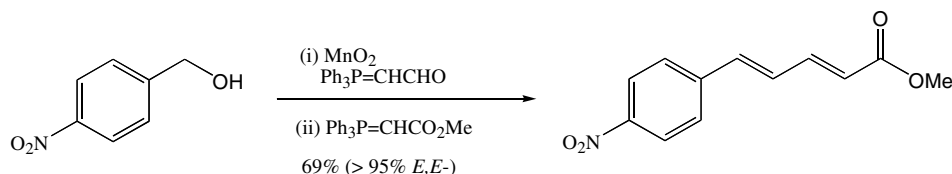
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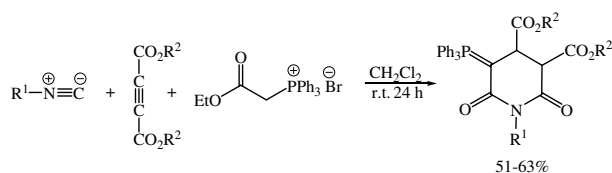
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Stuart Lang and Richard J. K. Taylor\*


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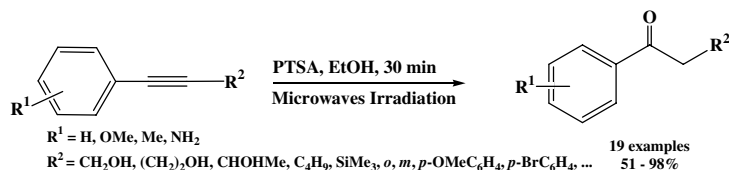
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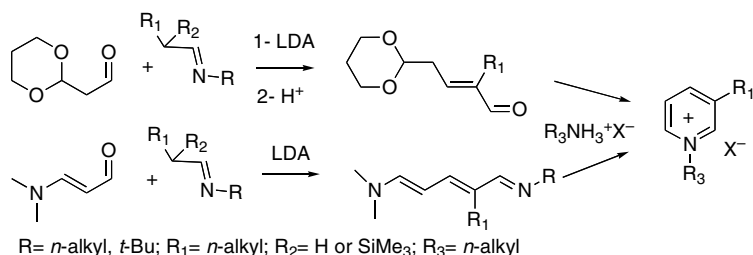
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**3-Substituted pentadienals derivatives from condensation of imines anions to malonaldehyde equivalents. A C–C–C + C–C + N type entry to 3-alkyl substituted pyridinium salts**

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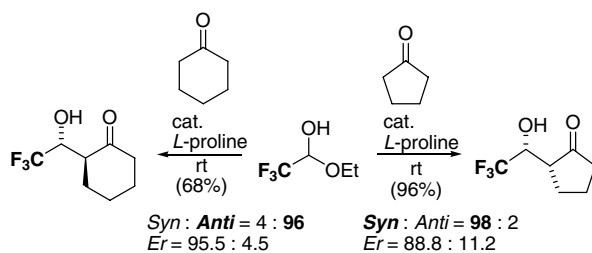
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**Proline-catalyzed direct asymmetric aldol reaction of trifluoroacetaldehyde ethyl hemiacetal with ketones**

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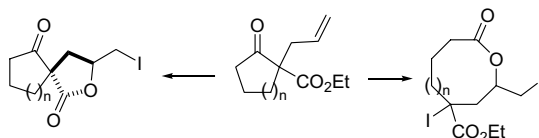
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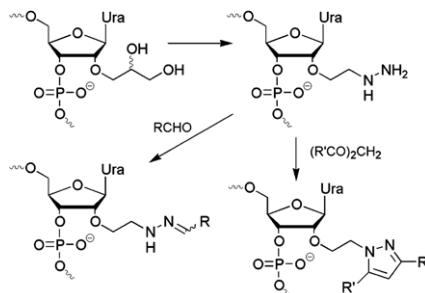
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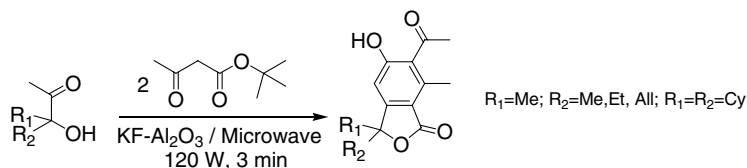
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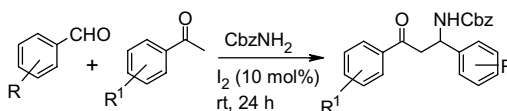
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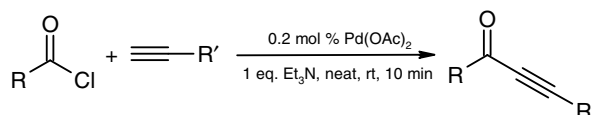
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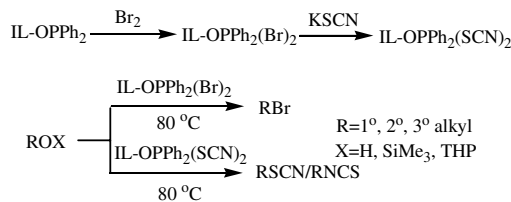
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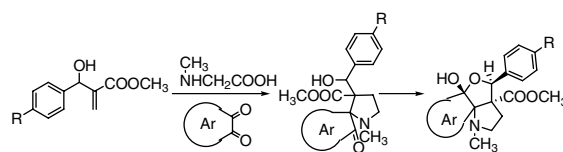
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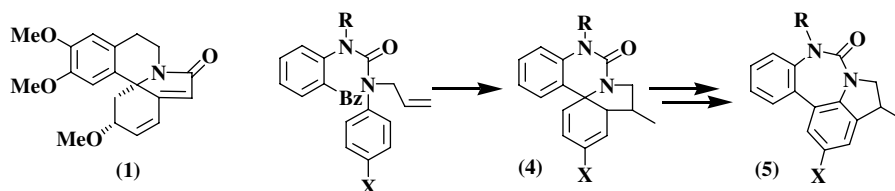
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**Synthesis of novel heterocycles based on the structures of erythrina alkaloids**

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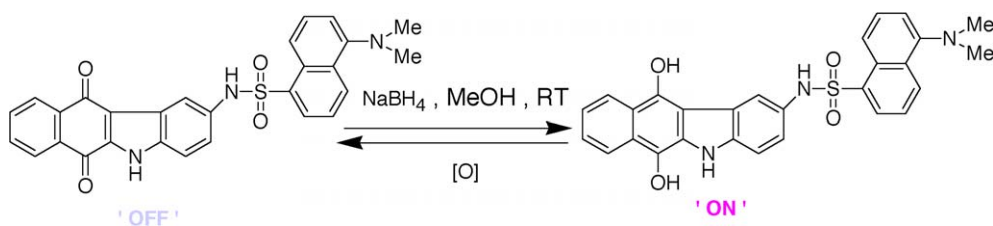
A. K. Ganguly,\* C. H. Wang, D. Biswas, J. Misiaszek and A. Micula



**N-Dansyl-carbazoloquinone; a chemical and electrochemical fluorescent switch**

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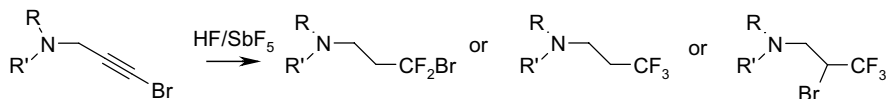
R. A. Illos, D. Shamir, L. J. W. Shimon, I. Zilbermann and S. Bittner\*



**New synthesis of trifluorinated amines from 1-bromopropargylic amines in superacid**

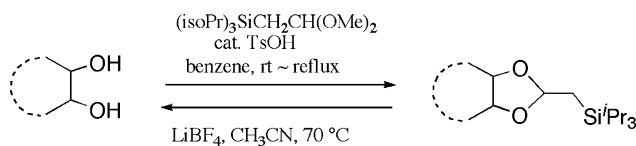
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Anne-Céline Cantet, H  l  ne Carreyre, Jean-Pierre Gesson, Brigitte Renoux\* and Marie-Paule Jouannetaud\*

**(Triisopropylsilyl)acetaldehyde acetal as a novel protective group for 1,2-diols**

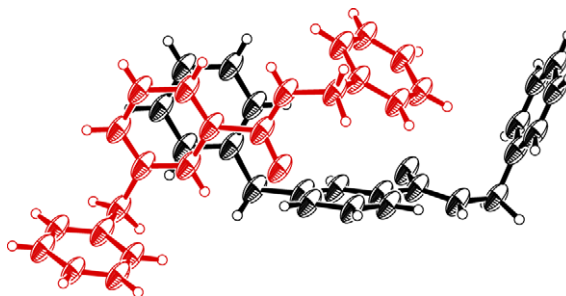
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Jun'ichi Uenishi,\* Yusuke Tanaka and Nobuyuki Kawai

**Two significantly different conformations in crystal: formation of a molecular dimer governed by cation– $\pi$  interactions**

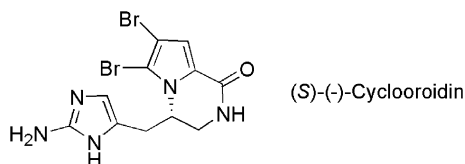
pp 5557–5560

Shinji Yamada\* and Yuka Morimoto

**Total synthesis of (*S*)-(-)-cyclooridin**

pp 5561–5563

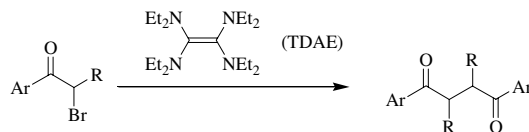
Jignesh Patel, Nadia Pelloux-L  on,\* Fr  d  ric Minassian\* and Yannick Vall  e



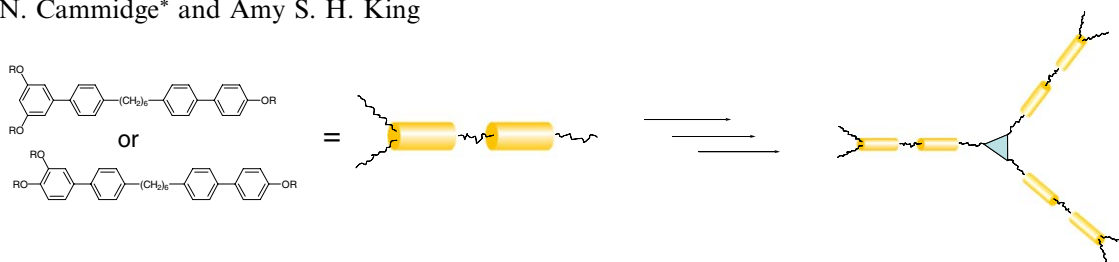
Absolute configuration of natural cyclooridin was confirmed to be (*S*) by comparison of its optical rotation value with a synthetic sample of (*S*)-(-)-cyclooridin.



**Synthesis of 1,4-diketones: reaction of  $\alpha$ -bromo ketones with tetrakis(dimethylamino)ethylene (TDAE)** pp 5565–5567  
 Yutaka Nishiyama\* and Akihiro Kobayashi



**Model studies towards liquid crystalline dendrimers with mesogenic repeat units throughout the structure** pp 5569–5572  
 Andrew N. Cammidge\* and Amy S. H. King

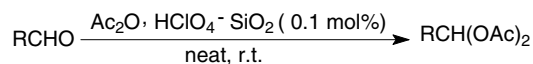


Elaborated versions of tricatener compounds based on bis(alkoxyalkylbiphenyl)s are liquid crystalline and therefore suitable models for repeat units in dendrimeric structures having mesogenic repeat units throughout the structure. First generation, protected dendrimers of this class are also reported.



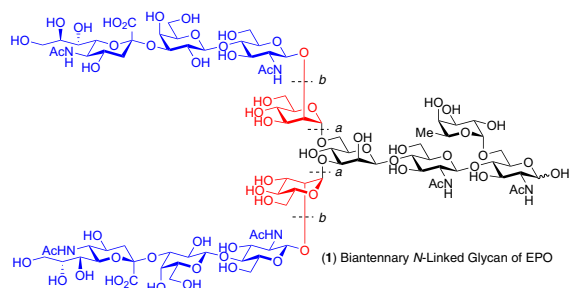
**An efficient method for the synthesis of acylals from aldehydes using silica-supported perchloric acid** pp 5573–5576  
 (HClO<sub>4</sub>-SiO<sub>2</sub>)

Vinod T. Kamble,\* Vasant S. Jamode, Neeta S. Joshi, Ankush V. Biradar and Rameshchandra Y. Deshmukh

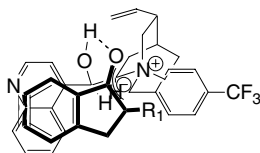


**Synthesis of the fucosylated biantennary N-glycan of erythropoietin** pp 5577–5579

Bin Wu, Zihao Hua, J. David Warren, Krishnakumar Ranganathan, Qian Wan, Gong Chen, Zhongping Tan, Jiehao Chen, Atsushi Endo and Samuel J. Danishefsky\*

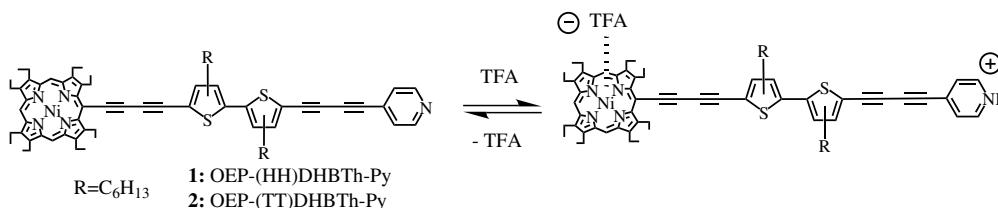


**Pseudoenzymatic catalyst–substrate interactions in ion-pair mediated chiral phase transfer catalysis** pp 5581–5583  
 Apurba Bhattacharya,\* Tomas Vasques, Thomas Ramirez, Robert Erik Plata and Jiejun Wu



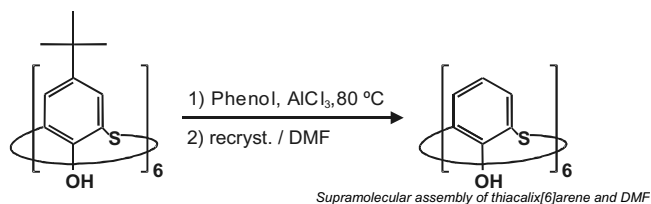
Complementary electronic effects between the substrate and the cinchona-based catalyst in the pseudoenzymatic ion-pair mediated chiral phase transfer alkylations of indanone enolate anions were demonstrated.

**Synthesis and properties of the octaethylporphyrin–dihexylbithiophene–pyridine system (OEP–DHBTh–Py) connected with diacetylene linkage. Proton-mediated and heat-driven spectral changes** pp 5585–5589  
 Naoto Hayashi, Takuya Matsukihira, Keiko Miyabayashi, Mikio Miyake and Hiroyuki Higuchi\*



**Supramolecular assembly based on  $\pi$ - $\pi$  stacking and  $\pi$ -cation interactions between thiacalix[6]arene and DMF** pp 5591–5593

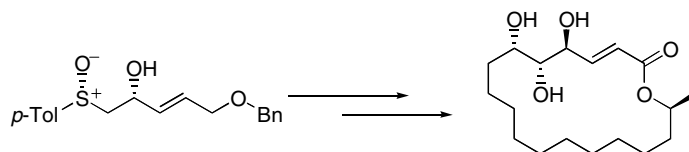
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**Stereoselective total synthesis of (+)-aspicilin**

pp 5595–5597

Sadagopan Raghavan\* and T. Sreekanth

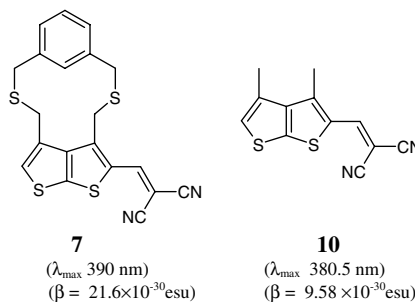


A stereoselective synthesis of (+)-aspicilin is disclosed.

**Synthesis and structures of thieno[2,3-*b*]thiophene incorporated [3.3]dithiacyclophanes. Enhanced first hyperpolarizability in an unsymmetrically polarized cyclophane** pp 5599–5602

Sabir H. Mashraqui,\* Yogesh S. Sangvikar and Auke Meetsma

The synthesis and structures of dithiacyclophanes incorporating thieno[2,3-*b*]thiophene are described. Donor–acceptor cyclophane **7** displayed significantly higher first hyperpolarizability  $\beta$  compared to the open model **10** presumably on account of an extra contribution to nonlinearity arising from through-space charge redistribution, a feature lacking in **10**.



\*Corresponding author

Supplementary data available via ScienceDirect



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