

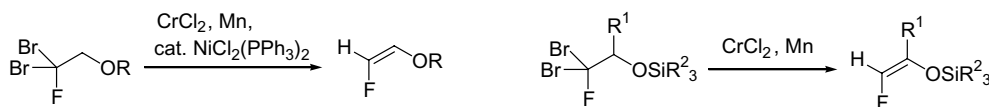
## Contents

### COMMUNICATIONS

**Chromium mediated stereoselective synthesis of (*Z*)-1-fluoro-2-alkenyl alkyl and trialkylsilyl ethers from dibromofluoromethylcarbiny ethers**

pp 5257–5261

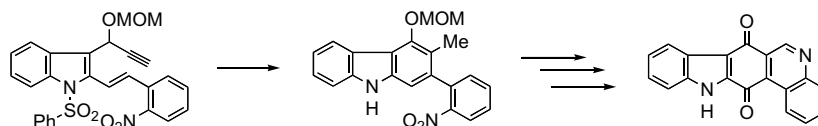
Muga Nakagawa, Akio Saito, Aiko Soga, Natsuko Yamamoto and Takeo Taguchi\*



**A new total synthesis of an indolo[3,2-*j*]phenanthridine alkaloid calothrixin B**

pp 5263–5264

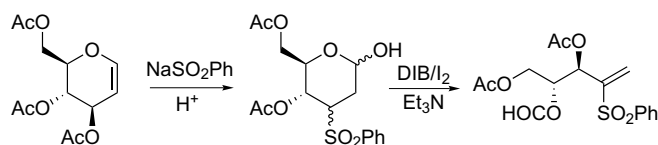
Shigeo Tohyama, Tominari Choshi, Kohji Matsumoto, Akira Yamabuki, Kouichiro Ikegata, Junko Nobuhiro and Satoshi Hibino\*



**Fragmentation of carbohydrate anomeric alkoxyl radicals. Synthesis of highly functionalized chiral vinyl sulfones**

pp 5265–5268

Carmen R. Alonso-Cruz, Elisa I. León, Francisco J. Ortiz-López, María S. Rodríguez and Ernesto Suárez\*



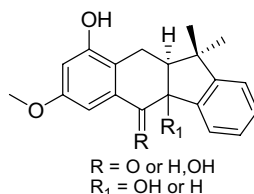
DIB = (Diacetoxyiodo)benzene



**Carexanes: prenyl stilbenoid derivatives from *Carex distachya***

pp 5269–5272

Brigida D'Abrosca, Antonio Fiorentino,\* Annunziata Golino, Pietro Monaco, Palma Oriano and Severina Pacifico

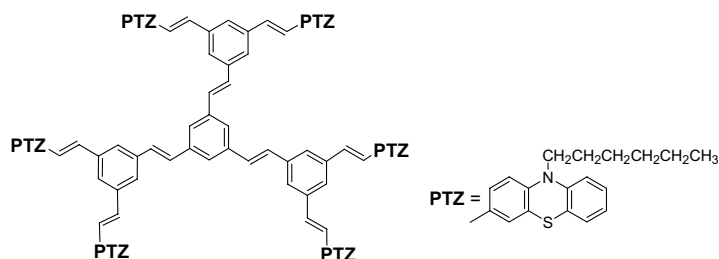


Metabolites with a new molecular skeleton, named carexane, have been isolated from the leaves of *Carex distachya*. The structures have been determined on the basis of the spectroscopic characteristics of the compounds. NOESY experiments and MM+ molecular mechanics method have furnished important data useful for establishing the stereochemistry of the molecules.

**Synthesis and photophysical properties of phenothiazine-labeled conjugated dendrimers**

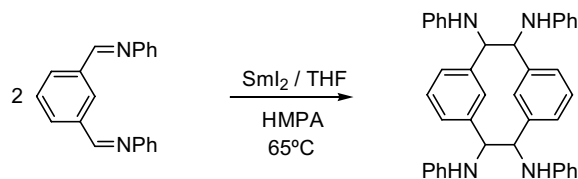
pp 5273–5276

Xiao-Hang Zhang, Suk-Ho Choi, Dong Hoon Choi and Kwang-Hyun Ahn\*

**Synthesis of 1,2,9,10-tetrakis(*N*-phenylamino)[2.2]metacyclophane by SmI<sub>2</sub>-mediated reductive coupling of diimine**

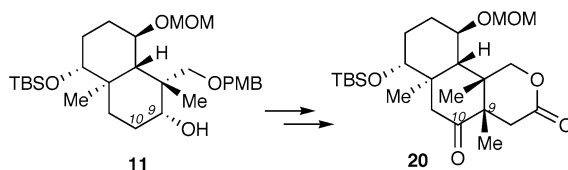
pp 5277–5279

Takatoshi Kawaji,\* Kikue Hayashi, Iwao Hashimoto, Taisuke Matsumoto, Thies Thiemann and Shuntaro Mataka

**Synthetic studies toward the zoanthamine alkaloids: synthesis of the fully functionalized BC ring motif**

pp 5281–5284

Fatima Rivas, Subhash Ghosh and Emmanuel A. Theodorakis\*

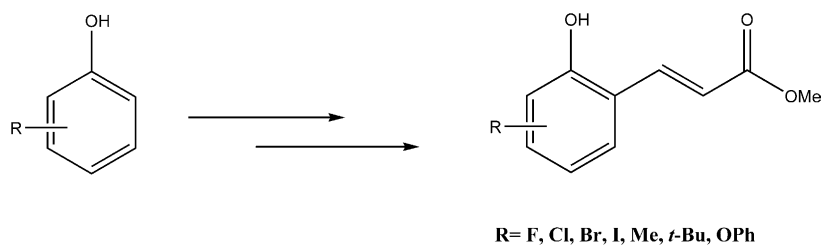


Our synthetic efforts are presented toward the construction of lactone **20**, representing the fully functionalized BC ring system of the zoanthamine alkaloids. The successful strategy is based upon transformation of **11** to an  $\alpha$ -bromo acetal that underwent intramolecular cyclization installing stereoselectively the quaternary C9 stereocenter of **20**.

**One-pot synthesis of *ortho*-hydroxycinnamate esters**

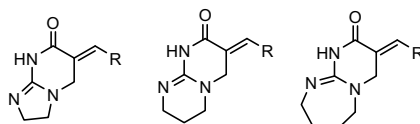
pp 5285–5287

Hany F. Anwar, Lars Skattebøl, Jan Skramstad and Trond Vidar Hansen\*

**A cyclative cleavage approach to solid-phase synthesis of annulated pyrimidinones using Baylis–Hillman derivatives**

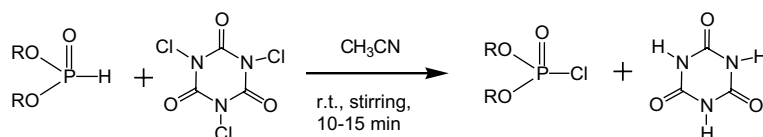
pp 5289–5292

R. Pathak, A. K. Roy, S. Kanojiya and S. Batra\*

**Trichloroisocyanuric acid: an efficient reagent for the synthesis of dialkyl chlorophosphates from dialkyl phosphites**

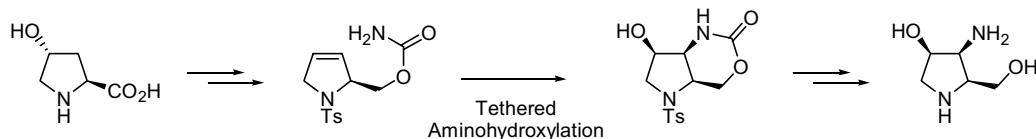
pp 5293–5295

J. Acharya, A. K. Gupta, P. D. Shakya and M. P. Kaushik\*

**The first asymmetric synthesis of (2*S*,3*S*,4*R*)-3-amino-2-hydroxymethyl-4-hydroxypyrrolidine**

pp 5297–5300

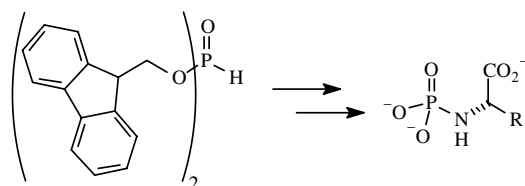
Kim L. Curtis, John Fawcett and Sandeep Handa\*



**Synthesis of *N*-phosphoryl amino acids using bis(9-fluorenylmethyl)phosphite**

pp 5301–5303

Lisa Y. Wu and Clifford E. Berkman\*

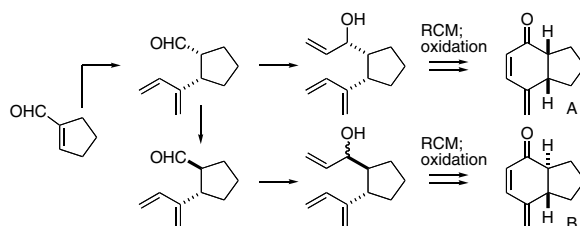


Bis(9-fluorenylmethyl)phosphite (BFMP) is an effective reagent for synthesis of *N*-phosphoryl amino acids.

**A short synthetic route to the core structures of otteliones A and B**

pp 5305–5307

Derrick L. J. Clive\* and Dazhan Liu

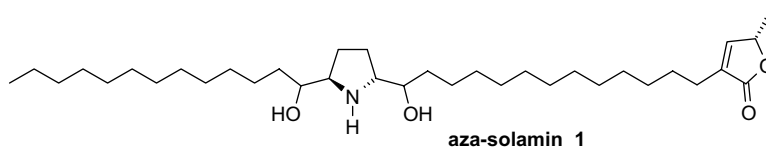


Selective ring closing metathesis is used in a key step for the synthesis of the *cis* (A) and *trans* ring fused (B) core structures of the powerful anticancer agents ottelione A and ottelione B, respectively.

**Synthesis of pyrrolidine analogues of solamin**

pp 5309–5312

Meng Wang, Yufeng Chen, Liguang Lou, Weidong Tang, Xin Wang and Jingkang Shen\*

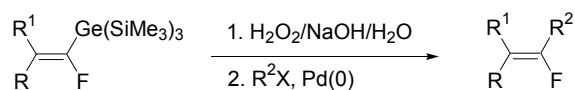


A series of solamin analogues, which possessed a pyrrolidine ring in place of tetrahydrofuran ring, were synthesized in a facile route from 2,5-*trans*-bis(methoxycarbonyl)pyrrolidine. The stereochemistry of pyrrolidine core unit was determined by <sup>1</sup>H NMR spectroscopic analysis.

**Pd-catalyzed couplings of (α-fluoro)vinyl tris(trimethylsilyl)germanes**

pp 5313–5316

Zhizhong Wang, Aurelio Gonzalez and Stanislaw F. Wnuk\*

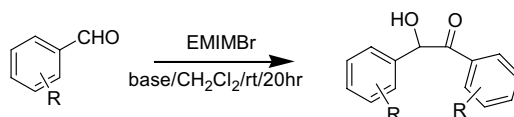


R, R<sup>1</sup> = H, alkyl or aryl, R<sup>2</sup> = aryl, alkenyl; X = I or Br

**Efficient and mild benzoin condensation reaction catalyzed by simple 1-*N*-alkyl-3-methylimidazolium salts**

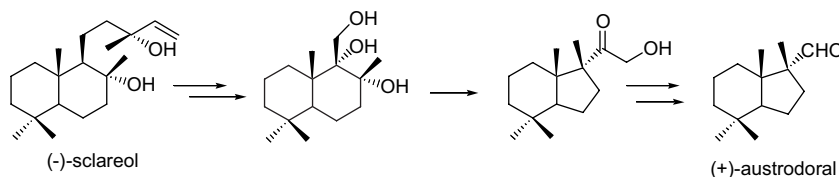
pp 5317–5320

Li-Wen Xu,\* Yang Gao, Jian-Jun Yin, Lyi Li and Chun-Gu Xia\*


**First enantiospecific synthesis of marine nor-sesquiterpene (+)-austrodoral from (–)-sclareol**

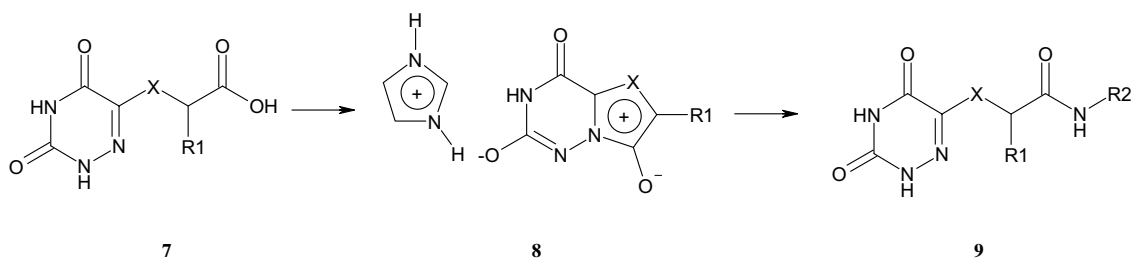
pp 5321–5324

E. J. Alvarez-Manzaneda,\* R. Chahboun, I. Barranco, E. Cabrera Torres, E. Alvarez and R. Alvarez-Manzaneda


**A novel mesoionic ring system: unusual cyclization of thio- and amino-acid derivatives of 6-azauracil**

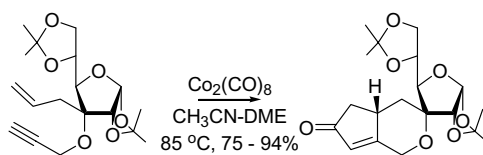
pp 5325–5328

Frederick J. Lakner, Haiji Xia, Azra Pervin, Jeffrey R. Hammaker, Kathy G. Jahangiri, Michael K. Dalton, Alexander Khvat,\* Alexander Kiselyov and Alexandre V. Ivachtchenko


**Stereoselective synthesis of spiroannulated cyclopentenones by the Pauson–Khand reaction on carbohydrate derived enynes**

pp 5329–5332

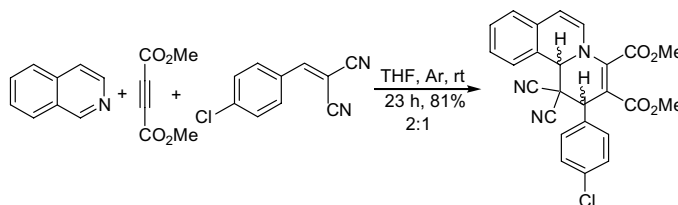
Srinivas Hotha,\* Sushil K. Maurya and Mukund K. Gurjar



### The Huisgen 1,4-dipolar cycloaddition involving isoquinoline, dimethyl butynedioate and activated styrenes: a facile synthesis of tetrahydrobenzoquinolizine derivatives

pp 5333–5335

Vijay Nair,\* B. Rema Devi and Luxmi R. Varma

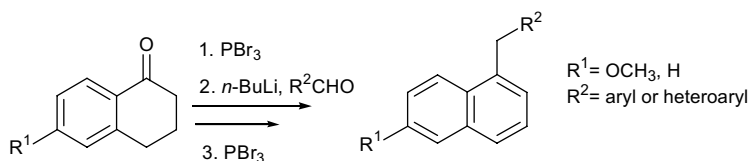


A three-component reaction involving isoquinoline, dimethyl butynedioate and electrophilic styrenes is described. The reaction proceeds through a Huisgen 1,4-dipolar cycloaddition pathway.

### Convenient phosphorus tribromide induced syntheses of substituted 1-arylmethylnaphthalenes from 1-tetralone derivatives

pp 5337–5341

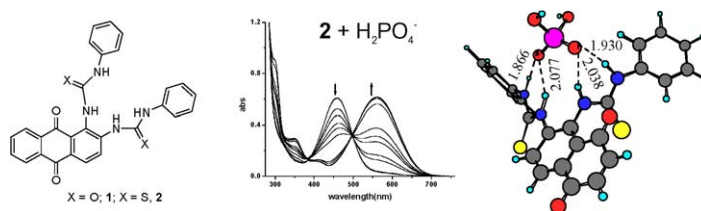
Shagufta, Resmi Raghunandan, Prakas R. Maulik and Gautam Panda\*



### Urea and thiourea based efficient colorimetric sensors for oxyanions

pp 5343–5346

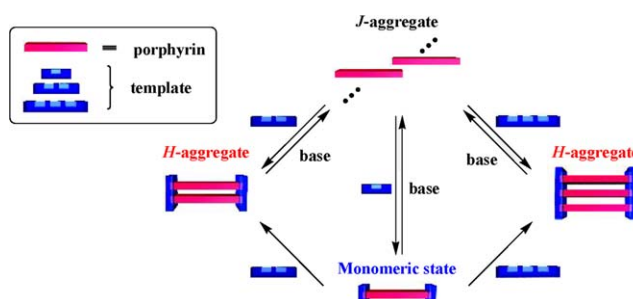
D. Amilan Jose, D. Krishna Kumar, Bishwajit Ganguly\* and Amitava Das\*



### Template-assisted control of porphyrin aggregation by ladder-type supramolecular assemblies

pp 5347–5350

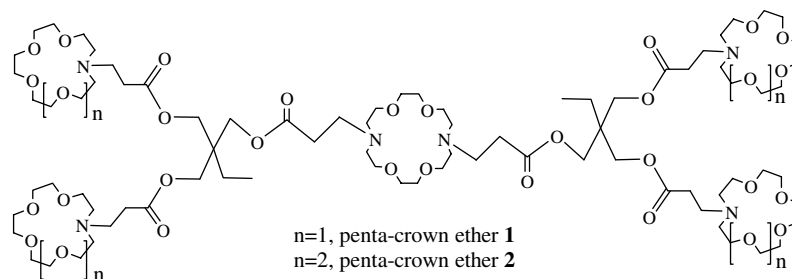
Takahiro Sugimoto, Kazuki Sada,\* Yuichi Tateishi, Takayuki Suzuki, Yoshihisa Sei, Kentaro Yamaguchi and Seiji Shinkai



**Synthesis and characterization of novel ionophores of double-armed penta-crown ethers**

pp 5351–5355

Zhi Bin Huang and Seung Hyun Chang\*

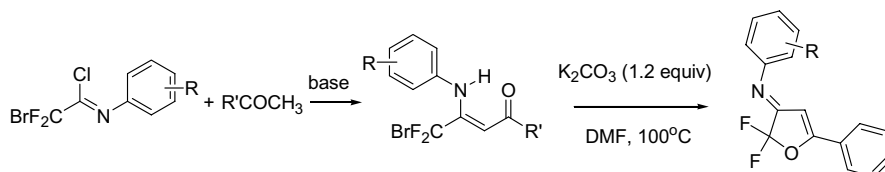


Novel structures of penta-crown ethers.

 **$\beta$ -Bromodifluoromethyl  $\beta$ -enaminoketones: versatile synthetic intermediates for synthesis of  $\text{CF}_2$ -containing compounds**

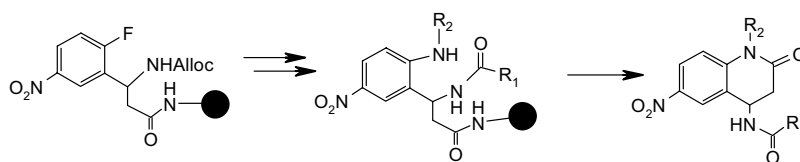
pp 5357–5360

Yong-Ming Wu,\* Ya Li and Juan Deng

**Traceless solid-phase synthesis of 1,4-disubstituted-6-nitro-3,4-dihydro-1H-quinoline-2-ones**

pp 5361–5364

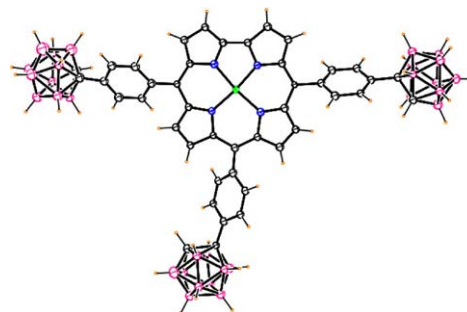
Xiaobing Wang, Seth Dixon, Mark J. Kurth and Kit S. Lam\*

**Carboranylcorroles**

pp 5365–5368

Raymond J. Luguay, Frank R. Fronczek, Kevin M. Smith and M. Graça H. Vicente\*

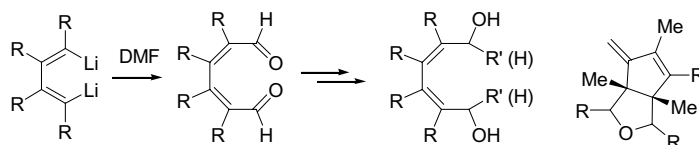
Syntheses of *closo*-carboranylcorroles are achieved in a one-pot procedure from the condensation of pyrrole and carboranylbenzaldehydes, without the concomitant formation of the corresponding tetraarylporphyrins.



**Concise synthesis of multiply substituted stereodefined *cis,cis*-2,4-diene-1,6-dials, *cis,cis*-2,4-diene-1,6-diols and further applications**

pp 5369–5372

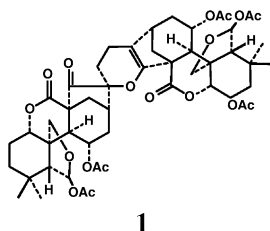
Guoliang Mao, Congyang Wang, Jinglong Chen, Ayako Muramatsu and Zhenfeng Xi\*



**An asymmetric *ent*-kauranoid dimer from *Isodon rubescens* var. *lushanensis***

pp 5373–5375

Quan-Bin Han, Yang Lu, Li Wu, Zhen-Dan He, Chun-Feng Qiao, Hong-Xi Xu, Qi-Tai Zheng and Han-Dong Sun\*

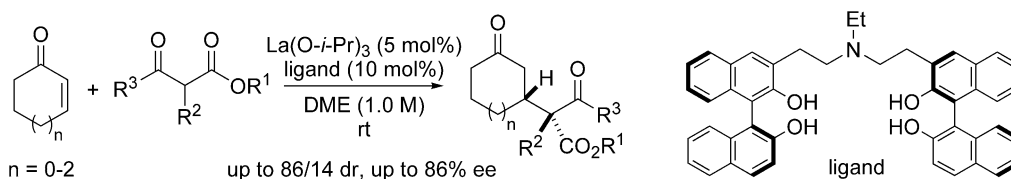


A novel asymmetric *ent*-kauranoid dimer, lushanrubescensin J (**1**), was isolated from *Isodon rubescens* var. *lushanensis*. Its structure was elucidated by the spectroscopic evidences. The stereochemistry was confirmed by the single crystal X-ray diffraction of its tetraacetate. Compound (**1**) exhibited potent inhibitory activity against K562 cells with IC<sub>50</sub> = 0.93 μg/mL.

**Enantio- and diastereoselective construction of vicinal quaternary and tertiary carbon centers by catalytic Michael reaction of  $\alpha$ -substituted  $\beta$ -keto esters to cyclic enones**

pp 5377–5381

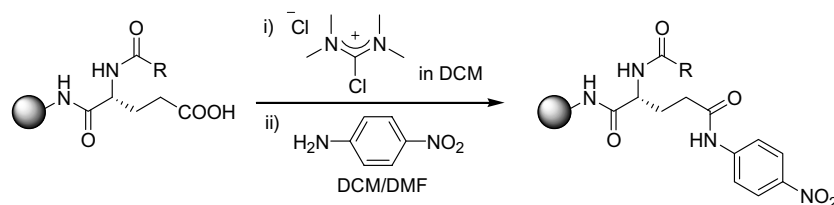
Keisuke Majima, Shin-ya Tosaki, Takashi Ohshima and Masakatsu Shibasaki\*



***N*-[Chloro(dimethylamino)methylene]-*N*-methylmethanaminium chloride (TMUCl Cl), the reagent of choice for the solid-phase synthesis of anilides**

pp 5383–5386

Marc Vendrell, Rubén Ventura, Ariel Ewenson, Miriam Royo\* and Fernando Albericio\*



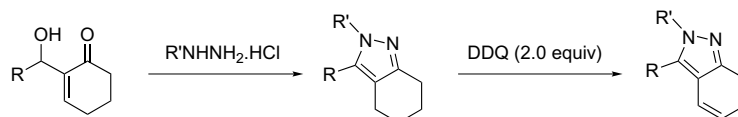
An effective solid-phase preparation of anilides from supported carboxylic acids is described by their activation as the corresponding acid chlorides with TMUCl Cl.



**Facile synthesis of 2*H*-indazole derivatives starting from the Baylis–Hillman adducts of 2-cyclohexen-1-one**

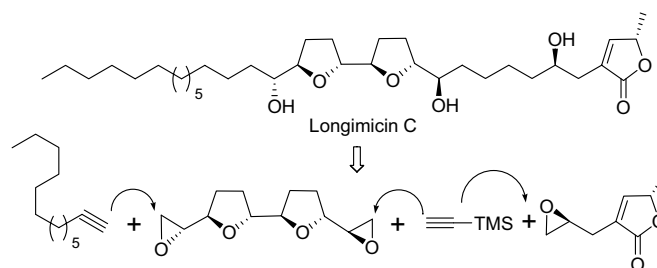
pp 5387–5391

Ka Young Lee, Saravanan Gowrisankar and Jae Nyoung Kim\*

**An iterative acetylene–epoxide coupling strategy for the total synthesis of longimicin C**

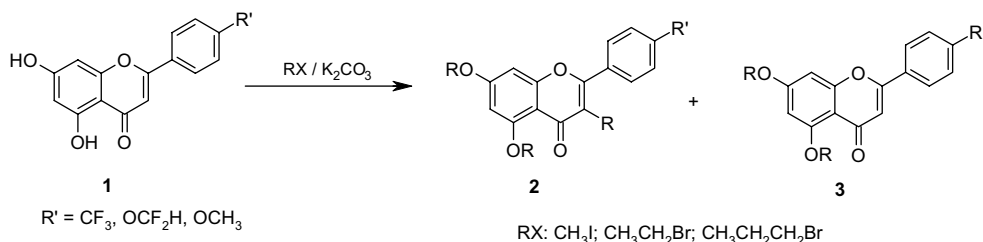
pp 5393–5397

Yan-Tao He, Song Xue, Tai-Shan Hu and Zhu-Jun Yao\*

**Formation of the unexpected 3-alkylated flavonoids in the alkylation of B-ring substituted 5,7-dihydroxy flavones**

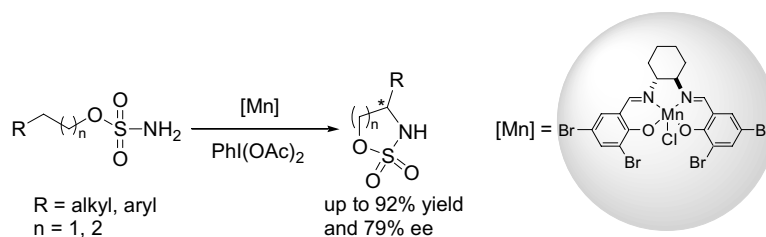
pp 5399–5402

Cai-Ling Wang, Xing Zheng, Wei-Dong Meng, Hong-Qi Li and Feng-Ling Qing\*

**Enantioselective intramolecular amidation of sulfamate esters catalyzed by chiral manganese(III) Schiff-base complexes**

pp 5403–5408

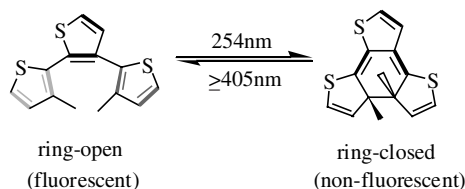
Ji Zhang, Philip Wai Hong Chan and Chi-Ming Che\*



**One-step synthesis and photochromic properties of a stable triangle terthiophene**

pp 5409–5412

Xiaochuan Li and He Tian\*

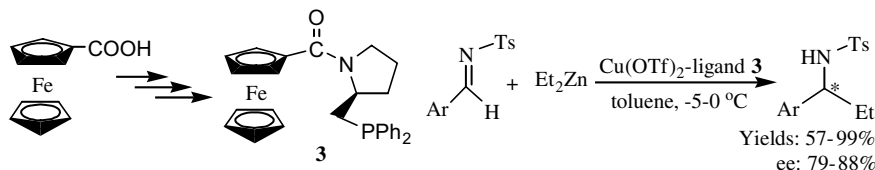


A new photochromic compound based on the hexatriene backbone was prepared by one-step coupling. The photophysical properties are presented.

**New chiral ferrocenyl amidophosphine ligand for remarkable improvement of enantioselectivities in copper-catalyzed addition of diethylzinc to *N*-sulfonylimines**

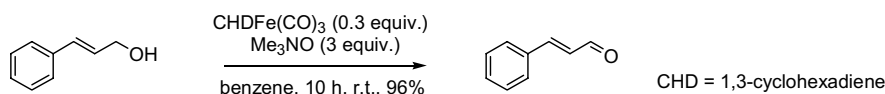
pp 5413–5416

Min-Can Wang,\* Cui-Lian Xu, Yu-Xi Zou, Hong-Min Liu\* and De-Kun Wang

**A new method for the selective oxidation of allylic and benzylic alcohols**

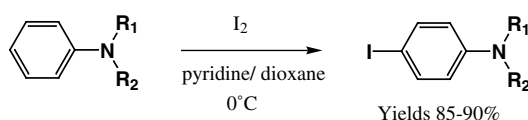
pp 5417–5419

Anthony J. Pearson\* and Yoonhyun Kwak

**A cheap and efficient method for selective *para*-iodination of aniline derivatives**

pp 5421–5423

Cyrille Monnereau, Errol Blart\* and Fabrice Odobel\*



**OTHER CONTENTS****Corrigendum****p 5425****Contributors to this issue****p I****Instructions to contributors****pp III–VI**

\*Corresponding author

①<sup>+</sup> Supplementary data available via ScienceDirect

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