

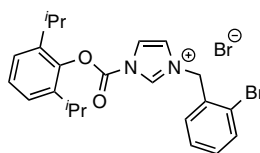
Contents

COMMUNICATIONS

Suzuki–Miyaura coupling with high turnover number using an *N*-acyl-*N*-heterocyclic carbene palladacycle precursor

pp 3849–3853

Hector Palencia,\* Federico Garcia-Jimenez and James M. Takacs\*



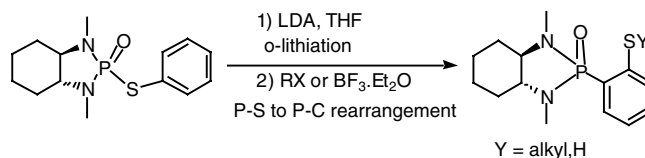
A simple *N*-acylimidazolium salt precursor to a NHC gives high turnover numbers ( $>10^7$ ) in the Suzuki–Miyaura coupling.



Synthesis of chiral *ortho*-thio-substituted phenyl phosphonodiamidates via a P–S to P–C rearrangement

pp 3855–3859

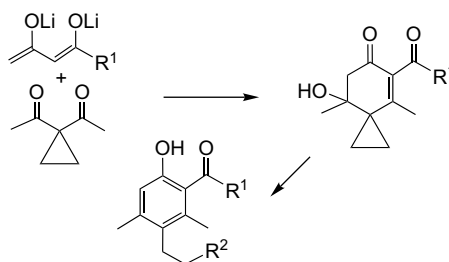
Christelle Mauger, Michel Vazeux and Serge Masson\*



Synthesis and reactivity of 1-hydroxyspiro[2.5]cyclooct-4-en-3-ones

pp 3861–3863

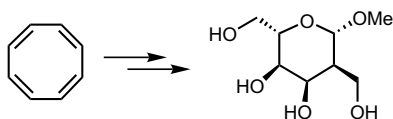
Gopal Bose and Peter Langer\*



**From cyclic polyenes to carbohydrates: synthesis of the hexose sugar  $\beta$ -allose and its 2C-branched homologue from cyclooctatetraene**

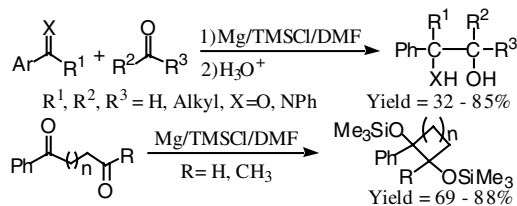
pp 3865–3867

Goverdhan Mehta\* and Kotapalli Pallavi


**Mg-promoted mixed pinacol coupling**

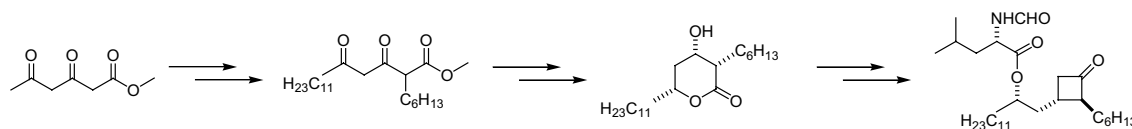
pp 3869–3872

Hirofumi Maekawa, Yoshimasa Yamamoto, Hisashi Shimada, Kazuaki Yonemura and Ikuzo Nishiguchi\*


**Highly enantioselective hydrogenation of 3,5-diketo esters: a formal synthesis of tetrahydropipstatin**

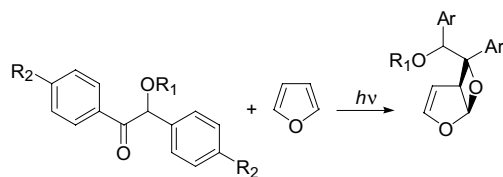
pp 3873–3875

Jolanta Polkowska, Ewa Łukaszewicz, Jarosław Kiegiel and Janusz Jurczak\*


**Diastereoselectivity in the Paternò-Büchi reaction on furan derivatives**

pp 3877–3880

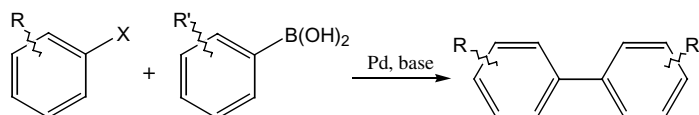
Maurizio D'Auria,\* Lucia Emanuele and Rocco Racioppi



**Heterogeneous Suzuki reactions catalyzed by Pd(0)–Y zeolite**

pp 3881–3884

Levent Artok\* and Hatice Bulut

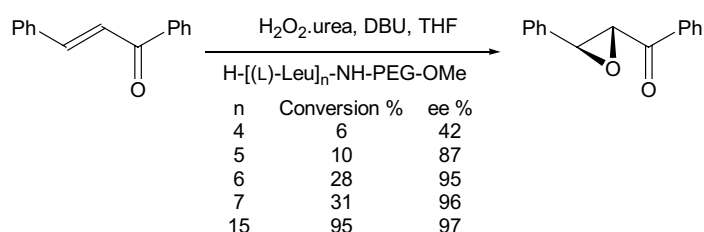


The Pd(0)–Y zeolite showed high activity in the Suzuki cross-coupling reactions of aryl bromides without added ligands. The type of base and organic solvent were found to be critical for the efficiency of the reaction. The presence of water was essential within the reaction medium. The coupling reactions occurred on the external surface of the zeolite. The catalyst is reusable.

**Structure and catalytic activity of some soluble polyethylene glycol–peptide conjugates**

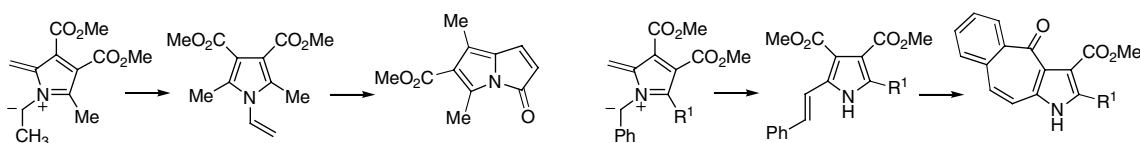
pp 3885–3888

David R. Kelly,\* Tam T. T. Bui, Eva Caroff, Alex F. Drake and Stanley M. Roberts

**Reactivity of azafulvenium methides derived from pyrrolo[1,2-c]thiazole-2,2-dioxides: synthesis of functionalised pyrroles**

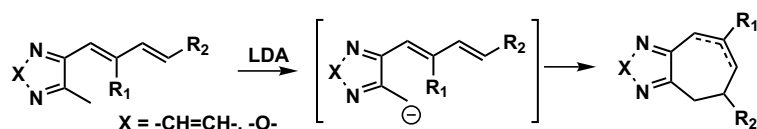
pp 3889–3893

Teresa M. V. D. Pinho e Melo,\* Maria I. L. Soares, António M. d'A. Rocha Gonsalves and Hamish McNab

**Novel intramolecular cyclization of 2-(buta-1,3-dienyl)-3-methylpyrazines and 3-(buta-1,3-dienyl)-4-methyl-1,2,5-oxadiazoles into 5H-cycloheptapyrazines and 4H-cyclohepta-1,2,5-oxadiazoles**

pp 3895–3898

Masakatsu Matsumoto,\* Naoyuki Hoshiya, Ryo Isobe, Yukie Watanabe and Nobuko Watanabe

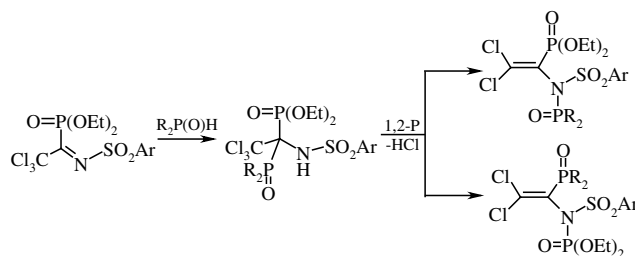


Title dienes underwent intramolecular cyclization by the action of LDA to give the corresponding heteroaromatics fused with seven-membered ring.

**A new reaction of phosphorylated *N*-sulfonylimines with hydrophosphoryl agents involving C→N transfer of phosphoryl groups**

pp 3899–3902

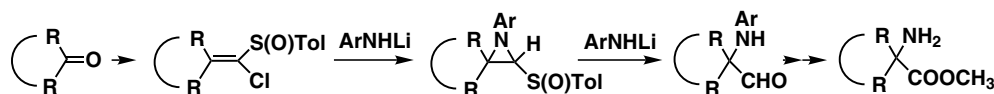
Yuliya V. Rassukana, Petro P. Onys'ko,\* Kateryna O. Davydova and Anatolii D. Sinitsa



**A novel synthesis of cyclic  $\alpha$ -amino aldehydes, amino alcohols, and  $\alpha$ -amino acid methyl esters from cyclic ketones through sulfinylaziridines**

pp 3903–3907

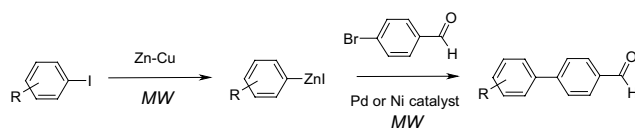
Hiroyuki Ota, Toshio Chyouma, Shuyu Iso and Tsuyoshi Satoh\*



**A convenient microwave assisted arylzinc generation-Negishi coupling protocol**

pp 3909–3912

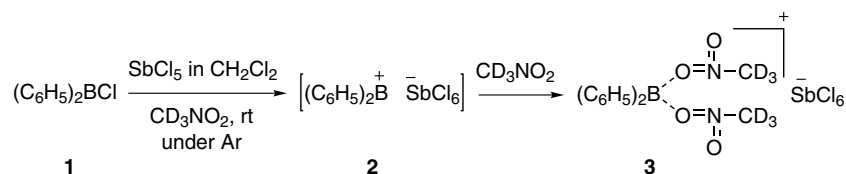
Ilga Mutule and Edgars Suna\*



**Preparation and characterization of diphenylboron cation in solution**

pp 3913–3916

Md. Khabir Uddin, Ryoji Fujiyama, Syun-ichi Kiyooka, Mizue Fujio\* and Yuho Tsuno

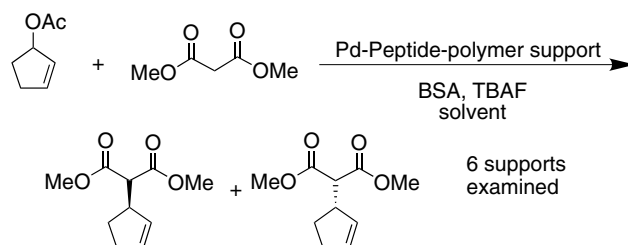


A novel boron cationic reaction of diphenylchloroborane **1** has been investigated by using the strong Lewis acid  $\text{SbCl}_5$  in nitromethane.

**A study of catalyst selectivity with polymer bound palladium phosphine complexes on various solid phase synthesis supports**

pp 3917–3920

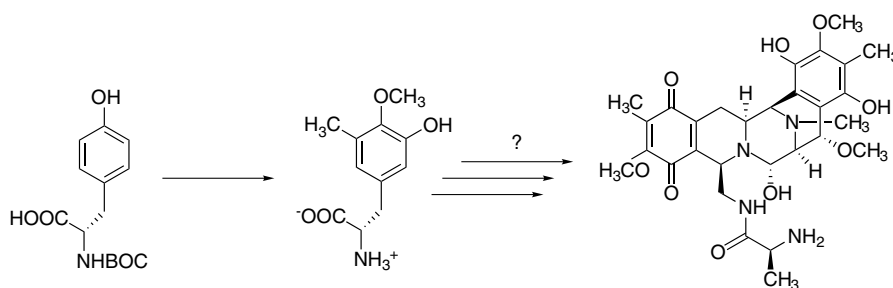
Scott R. Gilbertson\* and Satoshi Yamada



**Synthesis of tyrosine derivatives for saframycin MX1 biosynthetic studies**

pp 3921–3924

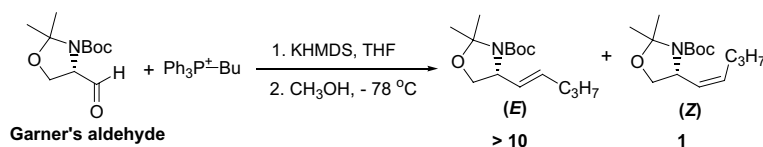
Eric W. Schmidt,\* James T. Nelson and John P. Fillmore



**(E)-Selective Wittig reactions of Garner's aldehyde with nonstabilized ylides**

pp 3925–3928

Joon Seok Oh, Byung Hyun Kim and Young Gyu Kim\*

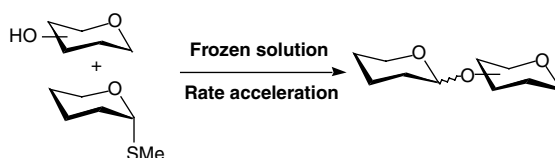


In the Wittig reactions of Garner's aldehyde with certain nonstabilized ylides, addition of a large excess of methanol produced the (*E*)-alkenes as a major product even under the salt-free conditions.

**Accelerated glycosylation under frozen conditions**

pp 3929–3932

Maki Takatani, Jun Nakano, Midori A. Arai, Akihiro Ishiwata, Hiromichi Ohta and Yukishige Ito\*

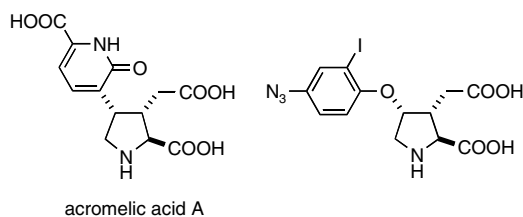


Enormous rate acceleration of O-glycosylation was observed in *p*-xylene at freezing temperature.

### A simple acromelic acid analog potentially useful for receptor photoaffinity labeling and biochemical studies

pp 3933–3936

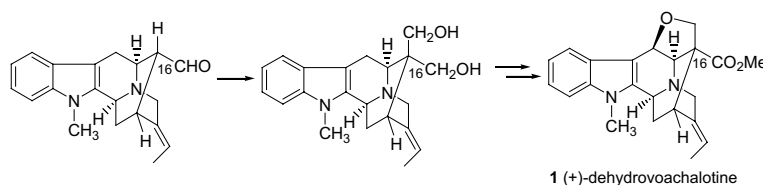
Kyoji Furuta, Guang Xing Wang, Toshiaki Minami, Mikio Nishizawa, Seiji Ito and Masaaki Suzuki\*



### The first enantiospecific total synthesis of a C-quaternary voachalotine alkaloid, (+)-dehydrovoachalotine

pp 3937–3940

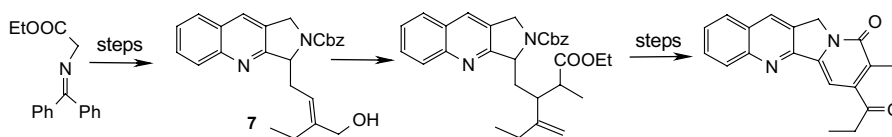
Jianming Yu, Xiangyu Z. Wearing and James M. Cook\*



### Total synthesis of nothapodytine B and (±)-mappicine

pp 3941–3943

Subhash P. Chavan\* and Rasapalli Sivappa

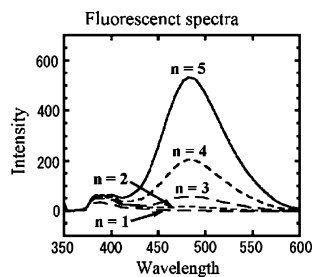
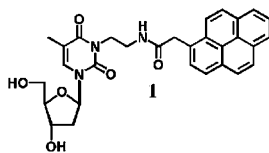


A novel, efficient total synthesis of the naturally occurring antiviral nothapodytine B (**2**, mappicine ketone) is reported. The approach is based on the successful implementation of the Johnson orthoester rearrangement of allylic alcohol **7** for assembly of a pyridone D ring precursor with the necessary functionalities. Nothapodytine B is converted into mappicine by NaBH<sub>4</sub> reduction.

### Multiple-pyrene residues arrayed along DNA backbone exhibit significant excimer fluorescence

pp 3945–3947

Momo Kosuge, Mio Kubota and Akira Ono\*

5'-(1)*n*-CACTGCATTGGTCAC-3'*n* = 0 ~ 5

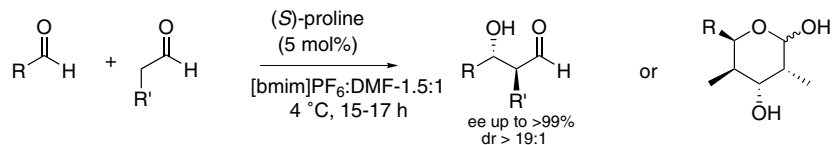
Multi-pyrene clusters arrayed along DNA backbones exhibited significant excimer fluorescence of which intensity increased as the number of pyrene residues is increased.



**Direct catalytic asymmetric cross-aldol reactions in ionic liquid media**

pp 3949–3952

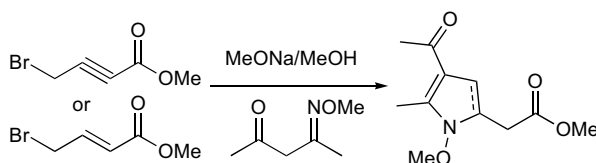
Armando Córdova\*



**Synthesis of polysubstituted dihydropyrroles and pyrroles from β-carbonyl O-methyloximes**

pp 3953–3955

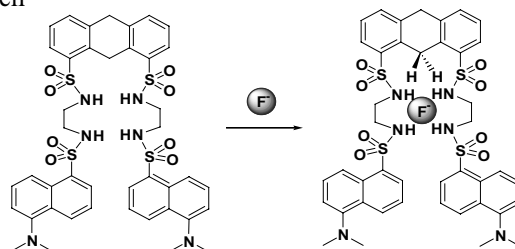
Zhiquan Song, John Reiner and Kang Zhao\*



**A tetra-sulfonamide derivative bearing two dansyl groups designed as a new fluoride selective fluorescent chemosensor**

pp 3957–3960

Chuan-Feng Chen\* and Qi-Yin Chen

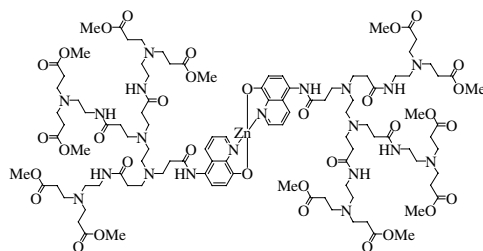


A new fluorescent chemosensor based on a tetra-sulfonamide derivative was synthesized, which displayed high selective fluorescent effects on the fluoride ion over other halides.

**Synthesis of fluorescent dendritic 8-hydroxyquinoline ligands and investigation on their coordinated Zn(II) complexes**

pp 3961–3964

Liang Shen, Fuyou Li,\* Yaowu Sha,\* Xiaoyin Hong and Chunhui Huang

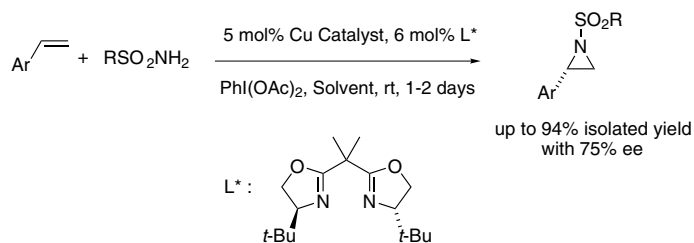


A series of dendrons emanating from 8-hydroxyquinoline have been synthesized and their coordination with Zn(II) was investigated.

**Copper(I)-catalyzed asymmetric alkene aziridination mediated by  $\text{PhI}(\text{OAc})_2$ :  
a facile one-pot procedure**

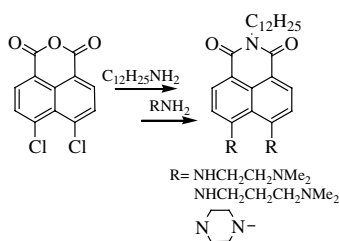
pp 3965–3968

Hoi-Lun Kwong,\* Di Liu, Ka-Yee Chan, Chi-Sing Lee, Ka-Hung Huang and Chi-Ming Che\*


**A novel chromatism switcher with double receptors selectively for  $\text{Ag}^+$  in neutral aqueous solution:  
4,5-diaminoalkeneamino-*N*-alkyl-1,8-naphthalimides**

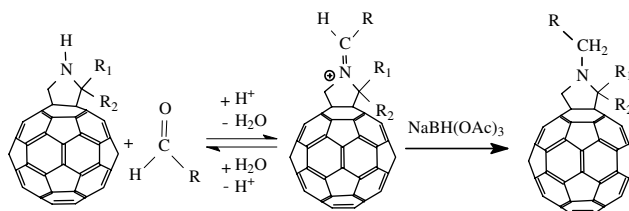
pp 3969–3973

Lihua Jia, Yu Zhang, Xiangfeng Guo and Xuhong Qian\*


**Easy access to *N*-alkylation of *N*-unsubstituted [60]fulleropyrrolidines: reductive amination  
using sodium triacetoxyborohydride**

pp 3975–3978

Shengqiang Xiao, Yongjun Li, Yuliang Li,\* Huibiao Liu, Hongmei Li, Junpeng Zhuang, Yang Liu, Fushen Lu, Deqing Zhang and Daoben Zhu\*



Reductive amination using sodium triacetoxyborohydride efficiently afforded *N*-alkylated [60]fulleropyrrolidines from *N*-unsubstituted [60]fulleropyrrolidines.



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\*Corresponding author

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

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