

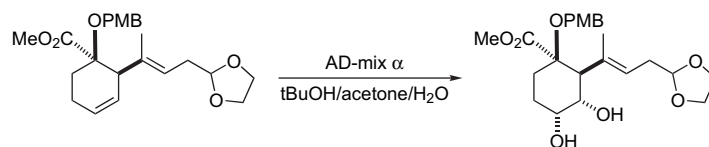
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### REPORT

#### Is osmylation always preferring the richest double bond?

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Antoine Français, Olivier Bedel, Arnaud Haudrechy\*

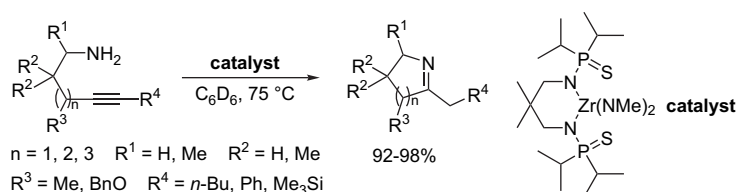


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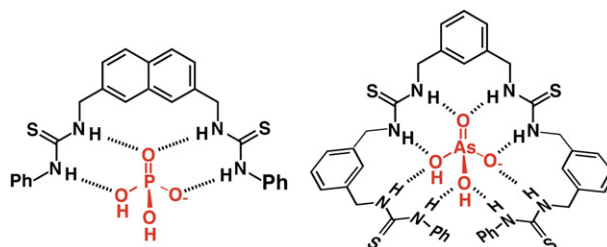
Hyunseok Kim, Tom Livinghouse\*, Phil Ho Lee\*



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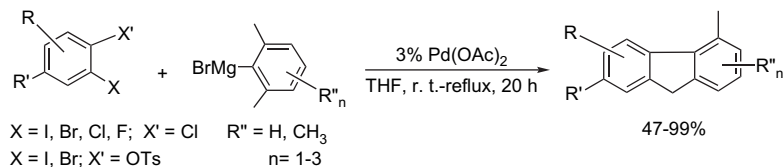
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Annie N. Leung, Dave A. Degenhardt, Philippe Bühlmann\*



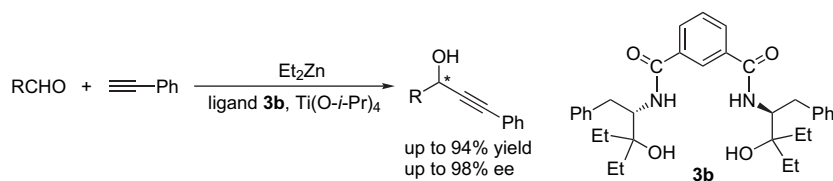
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Cheng-Guo Dong, Qiao-Sheng Hu\*



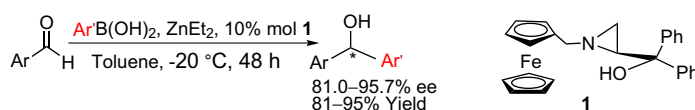
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Xin-Ping Hui\*, Chao Yin, Zhi-Ce Chen, Lu-Ning Huang, Peng-Fei Xu\*, Gui-Fang Fan



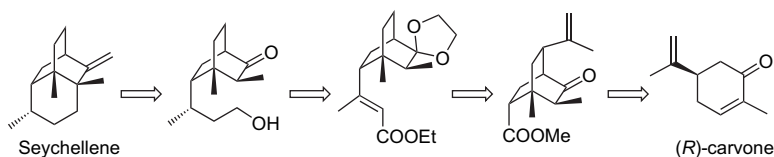
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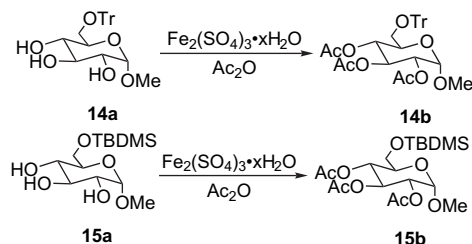
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A. Srikrishna\*, G. Ravi



## Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>·xH<sub>2</sub>O-catalyzed per-*O*-acetylation of sugars compatible with acid-labile protecting groups adopted in carbohydrate chemistry

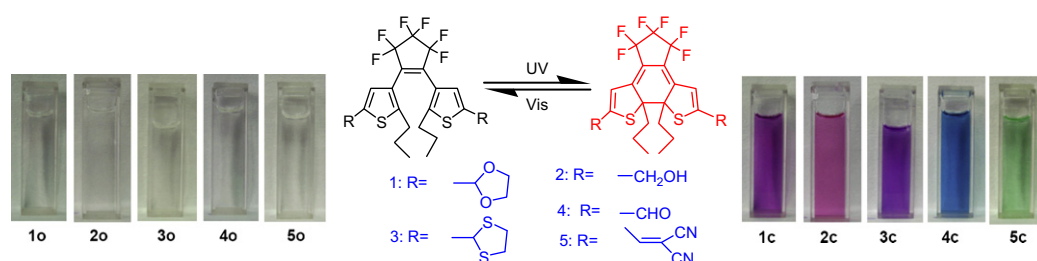
Lei Shi, Guisheng Zhang\*, Feng Pan



## Substituent effects on the properties of photochromic diarylethenes

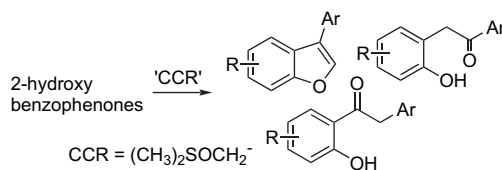
Shouzhi Pu\*, Chunhong Zheng, Zhanggao Le, Gang Liu, Congbin Fan

Photochromic symmetrical diarylethene derivatives **10–50** bearing different electron-donating or electron-withdrawing substituents at 5-position of the two thiophene rings have been synthesized. Substituent effects on their optoelectronic properties were investigated in detail.



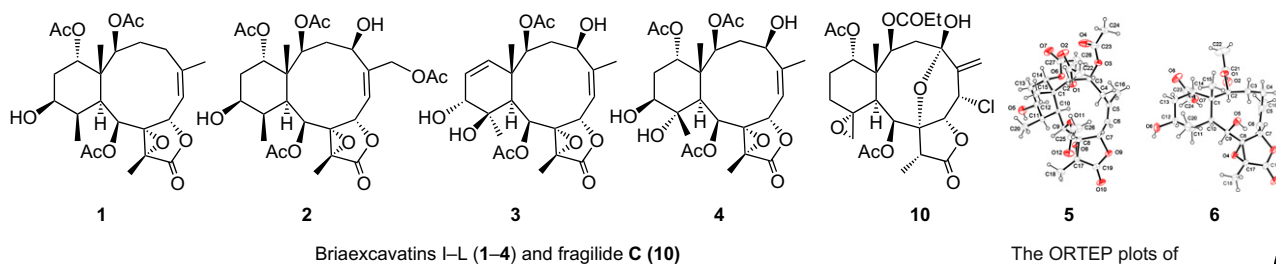
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Santhosh Kumar Chittimalla, Tsung-Che Chang, Ting-Chun Liu, Hsing-Pang Hsieh\*, Chun-Chen Liao\*



# New briaranes from the octocorals *Briareum excavatum* (Briareidae) and *Junceella fragilis* (Ellisellidae)

Ping-Jyun Sung\*, Mei-Ru Lin, Yin-Di Su, Michael Y. Chiang, Wan-Ping Hu, Jui-Hsin Su, Mo-Chih Cheng, Tsong-Long Hwang, Jyh-Horng Sheu\*



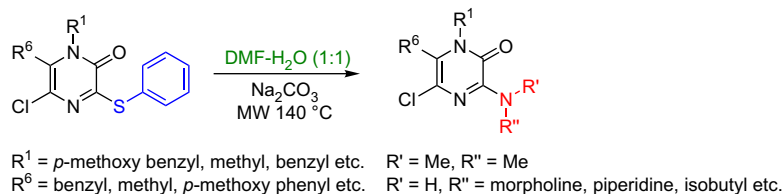
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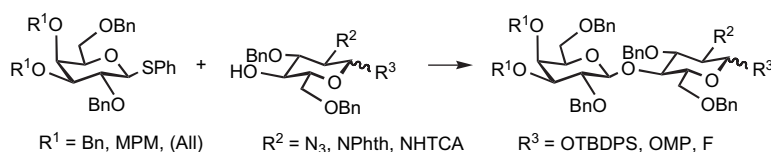
Anuj Sharma, Vaibhav Pravinchandra Mehta, Erik Van der Eycken\*



### Stereoselective synthesis of benzyl-protected $\beta$ -galactosides by propionitrile-mediated glycosylation

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Akiharu Ueki, Masafumi Hirota, Yuta Kobayashi, Keiko Komatsu, Yutaka Takano, Michio Iwaoka, Yuko Nakahara, Hironobu Hojo\*, Yoshiaki Nakahara\*

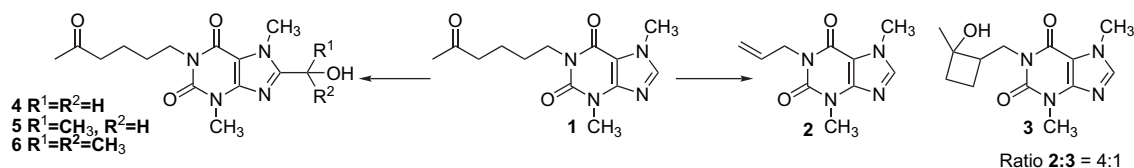


$\beta$ -Selective galactosylation was achieved using a series of 2-*O*-benzylated phenyl 1-thio-galactosides and glycosyl acceptors in propionitrile with BSP-TTBP-Tf<sub>2</sub>O.

### Photochemistry synthesis. Part 1: Syntheses of xanthine derivatives by photolysis of 1-(5'-oxohexyl)-3,7-dimethyl-3,7-dihydro-1*H*-purine-2,6-dione (pentoxifylline): an ambident chromophore

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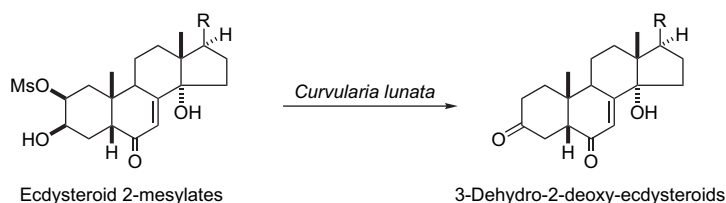
Ze Han, Susan L. Bonnet, Jan H. van der Westhuizen\*



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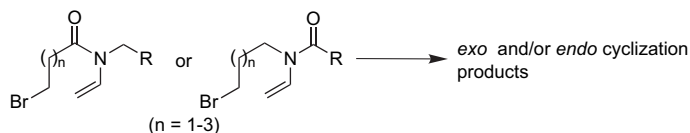
Chatchawan Changtam, Oratai Sukcharoen, Boon-ek Yingyongnarongkul, Nitirat Chimnoi, Apichart Suksamrarn\*



**Synthesis of nitrogen-containing heterocycles using *exo*- and *endo*-selective radical cyclizations onto enamides**

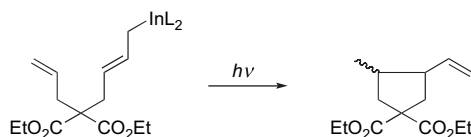
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Tsuyoshi Taniguchi, Daigo Yonei, Masamichi Sasaki, Osamu Tamura, Hiroyuki Ishibashi\*

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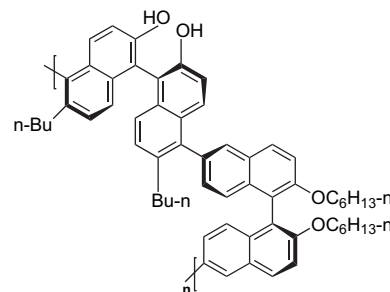
Tsunehisa Hirashita\*, Ayumi Hayashi, Makoto Tsuji, Jiro Tanaka, Shuki Araki

**Asymmetric addition of phenylacetylene to aldehydes catalyzed by soluble optically active polybinaphthols ligand**

pp 2651–2657

Linglin Wu, Lifei Zheng, Lili Zong, Jinqian Xu, Yixiang Cheng\*

A chiral polymer ligand containing 6,6'-dibutyl-2,2'-binaphthol and (*S*)-2,2'-bis(hexyloxy)-1,1'-binaphthyl moieties in the main-chain backbone was used as a catalyst to the asymmetric addition of phenylethynyl zinc to various aldehydes. The results show that the soluble chiral polybinaphthols ligand in combination with Et<sub>2</sub>Zn and Ti(*O*<sup>*i*</sup>Pr)<sub>4</sub> can exhibit excellent enantioselectivity for phenylacetylene addition to both aromatic and aliphatic aldehydes. The catalytically active center of the repeating unit **S-1** used as a catalyst produced the opposite configuration of the propargylic alcohols to that of **S-1**, on the contrary, the chiral polymer gave the same configuration as the optically active binaphthol moiety of the polybinaphthols ligand. Moreover, the chiral polymer ligand can be easily recovered and reused without loss of catalytic activity as well as enantioselectivity.

**Synthesis and characterization of deep blue emitters from starburst carbazole/fluorene compounds**

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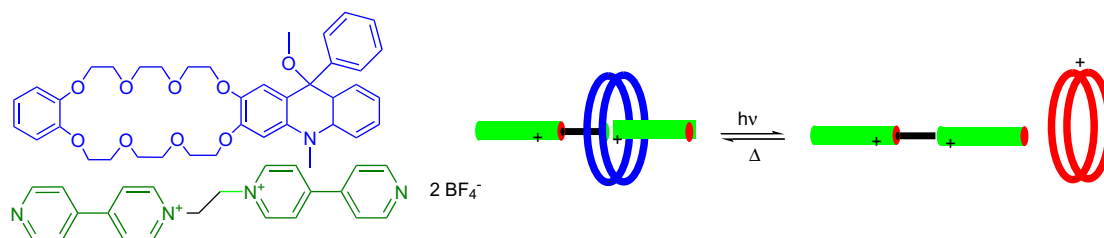
Zujin Zhao, Xinjun Xu, Xiaopeng Chen, Xiaoming Wang, Ping Lu\*, Gui Yu, Yunqi Liu\*

A series of well-defined, highly fluorescent starburst compounds based on carbazole and fluorene have been synthesized and fully characterized. Deep blue photo- and electroluminescence are observed from these compounds.




**Pseudorotaxanes and rotaxanes from macrocyclic rings incorporating acridinone, 9-phenylacridinium and 9-phenyl-9-methoxy-acridane moieties** pp 2669–2676

M. Orda-Zgadaj, W. Abraham\*



\*Corresponding author

 Supplementary data available via ScienceDirect



Full text of this journal is available, on-line from **ScienceDirect**. Visit [www.sciencedirect.com](http://www.sciencedirect.com) for more information.

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