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An international journal of synthetic, physical and biomolecular organic chemistry

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IN THIS ISSUE

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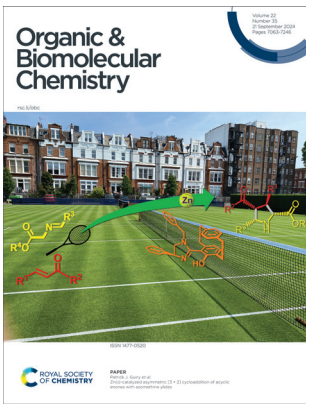

Cover
See Patrick J. Guiry *et al.*, pp. 7148–7153.

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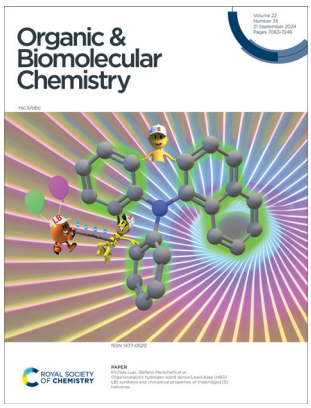

Inside cover
See Michela Lupi, Stefano Menichetti *et al.*, pp. 7154–7163.

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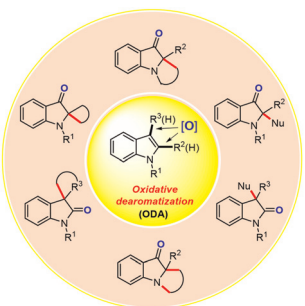
Recent advances in oxidative dearomatization involving C–H bonds for constructing value-added oxindoles

Le-Mao Yu,* Haojin Chen, Wenjing Fang, Ruonan Cai, Yi Tao, Yong Li* and Huaping Dong



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REVIEWS

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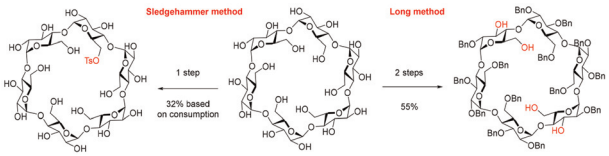
New methods of modification of α-cyclodextrin

Bilge Deniz Özcan, Morten Lang Zimmermann, Mingzhe Ren and Mikael Bols*



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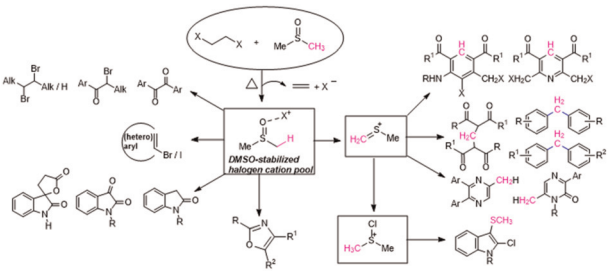
"Cation Pool" generated from DMSO and 1,2-dihaloethanes and their application in organic synthesis

Niranjan Panda,* Kuntal Palit and Soumya Mohapatra



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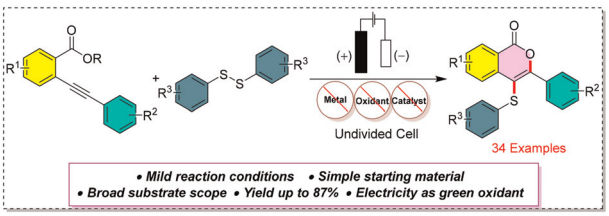
Electrochemically driven regioselective construction of 4-sulfenyl-isochromenones from *o*-alkynylbenzoates and diaryl disulfides

Anil Balajirao Dapkekar and Gedu Satyanarayana*



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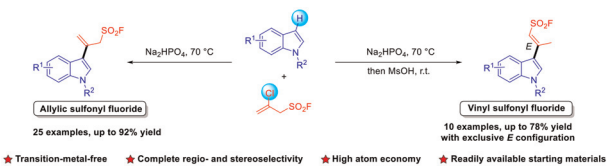
A portal to highly valuable indole-functionalized vinyl sulfonyl fluorides and allylic sulfonyl fluorides

Wenzhuo Huang, Eman Fayad, Ola A. Abu Ali and Hua-Li Qin*



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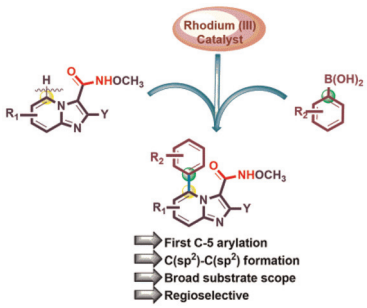

Directed regioselective arylation of imidazo[1,2-*a*] pyridine-3-carboxamides using Rh(III) catalysis

Kousar Jahan, Mehak Sood, Osheen Jain, Subash C. Sahoo and Prasad V. Bharatam*

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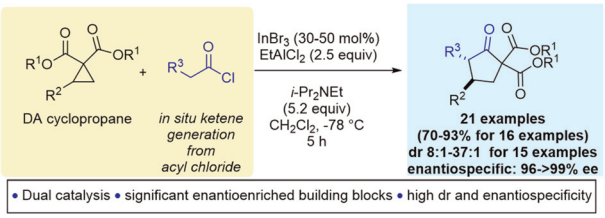

Catalytic stereoselective synthesis of cyclopentanones from donor–acceptor cyclopropanes and *in situ*-generated ketenes

Shubhanjan Mitra, Sophie M. Connolly, Saud Ayidi, Mukulesh Mondal, Manashi Panda, Brian G. Kelly and Nessan J. Kerrigan*

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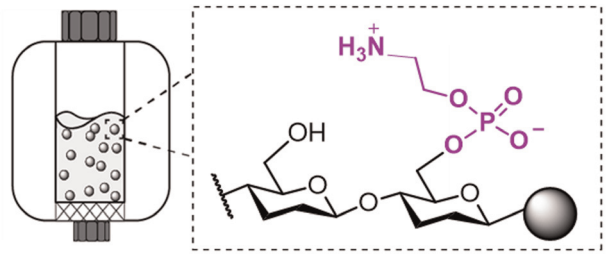

On resin synthesis of phosphoethanolamine cellulose

Jhih-Yi Huang and Martina Delbianco*

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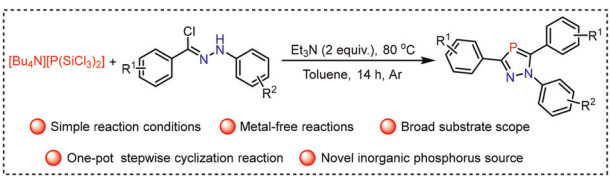

Synthesis of 1,2,4-diazaphospholes *via* base-promoted cyclization reaction of hydrazonoyl chlorides and $[Bu_4N][P(SiCl_3)_2]$

Xin Wang, Hui Luo, Bo Yang, Ming Li, Yong-Jun Ma, Xi-Cun Wang* and Zheng-Jun Quan*

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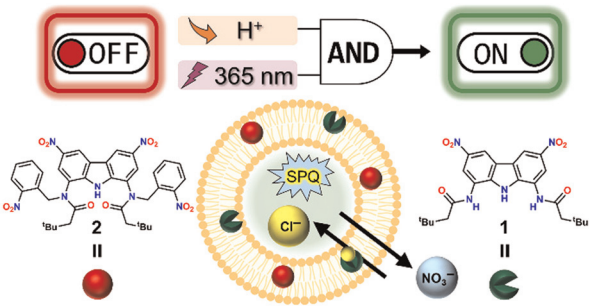
A photocaged, pH-sensitive anion transporter with AND logic dual-stimuli activation

Bartłomiej Zawada and Michał J. Chmielewski*



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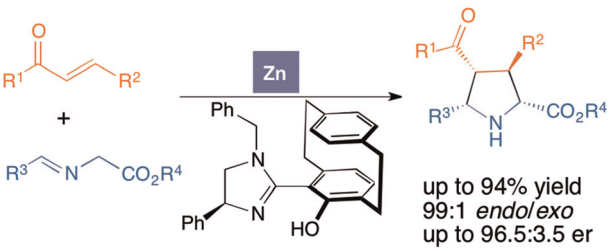
Zn(II)-catalyzed asymmetric [3 + 2] cycloaddition of acyclic enones with azomethine ylides

Sundaravel Vivek Kumar, Jeremiah Olusegun and Patrick J. Guiry*



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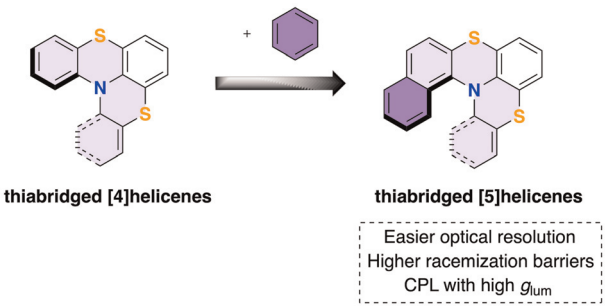
Organocatalytic hydrogen bond donor/Lewis base (HBD/LB) synthesis and chiroptical properties of thiabridged [5]helicenes

Michela Lupi,* Mosè Fabbri, Giuseppe Mazzeo, Giovanna Longhi, Sergio Abbate, Caterina Viglianisi and Stefano Menichetti*



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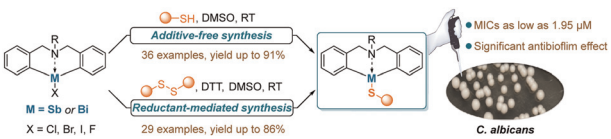
Facile synthesis and antifungal evaluation of hypervalent organoantimony(III) and organobismuth(III) thioates with tridentate C,N,C-coordinating ligands

Zixiu Wang, Yan Huang, Dandan Deng, Shan Li,* Yimei Yu, Yifei Ye, Yi Chen* and Jian Lei*



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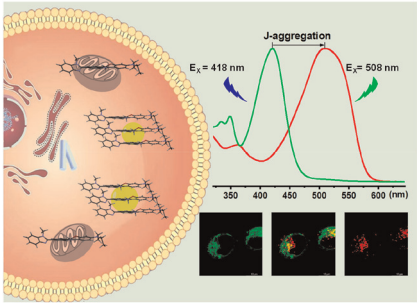

Harnessing J-aggregation for dual-color cellular imaging with chromenoquinoline-benzimidazole dyes

Huimin Shangguan, Zixuan Teng, Xiaojie Ren* and Xingjiang Liu*

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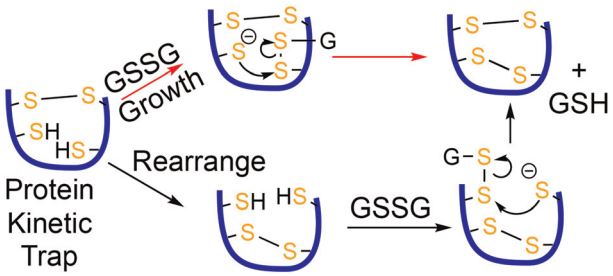

A growth type pathway for improving the folding of BPTI

Yingsong Wang, Shweta Mandumula and Watson J. Lees*

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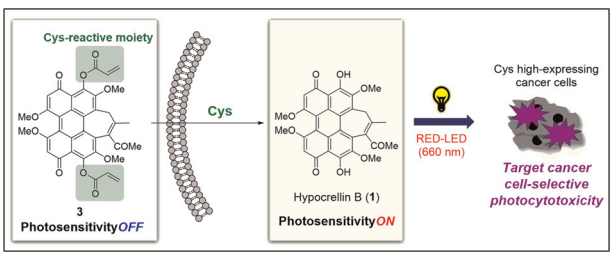

A novel photosensitizer based on hypocrellin B activated by cysteine over-expressed in cancer cells

Fumihisa Ishida, Rikuto Onishi, Daisuke Takahashi and Kazunobu Toshima*

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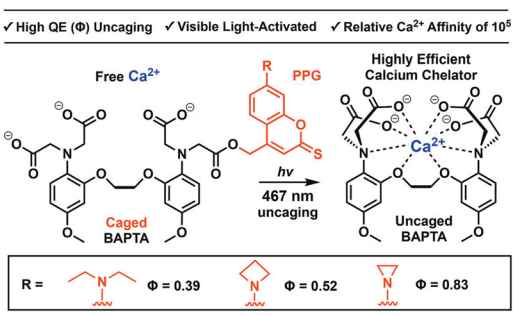

Highly efficient Ca^{2+} chelation activated by visible light

Nishal M. Egodawaththa, Olivia Rajhel, Jingxuan Ma, Charitha Guruge, Alec B. Pabarue, Emily Harris, Roberto Peverati and Nasri Nesnas*

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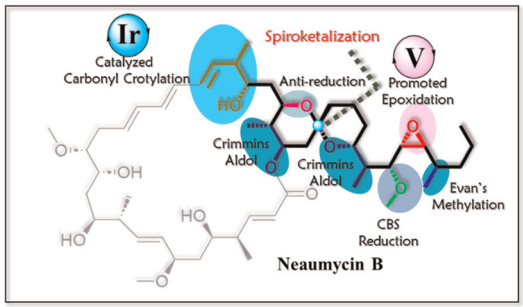
Stereoselective synthesis of the northern hemisphere of the proposed structure of neaumycin B

Himangshu Sharma, Sujan Paul, Swapnamoy Ganguly, Sourya Shankar Auddy and Rajib Kumar Goswami*



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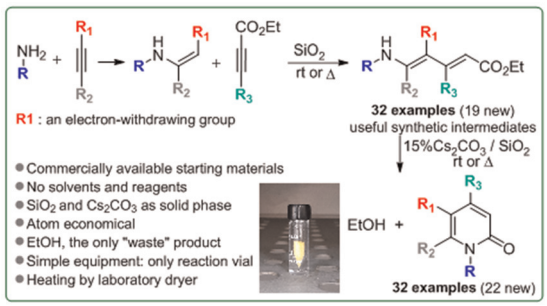
Solid-state synthesis of polyfunctionalized 2-pyridones and conjugated dienes

Anđela Stanisavljević, Jovana Aleksić, Milovan Stojanović* and Marija Baranac-Stojanović*



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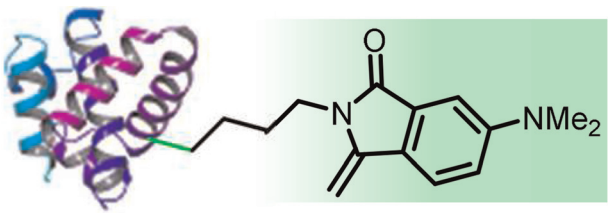
Design and synthesis of an environment-sensitive 3-methyleneisoindolin-1-one fluorophore for labeling DNA-interacting proteins

Mariko Aso,* Chiyoe Ohta, Yixuan Liu, Kaori Sasaki-Tabata, Yukiko Abe-Sadamatsu, Chiemi Gatanaga, Yichun Wang, Yang Pei, Guosheng Gao, Tsutomu Katayama, Yosuke Taniguchi and Shigeki Sasaki



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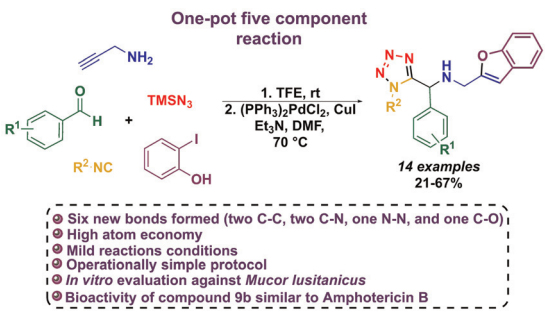
A one-pot five component reaction for the synthesis of tetrazol-benzofuran hybrids and their inhibitory activity against *Mucor lusitanicus*

Cesia M. Aguilar-Morales, Viridiana Alejandre-Castañeda, Claudia Contreras-Celedón, Martha Isela Ramírez-Díaz, Alejandro Islas-Jácome, Victor Meza-Carmen,* Luis Chacón-García* and Carlos J. Cortés-García*