

Organic & Biomolecular Chemistry

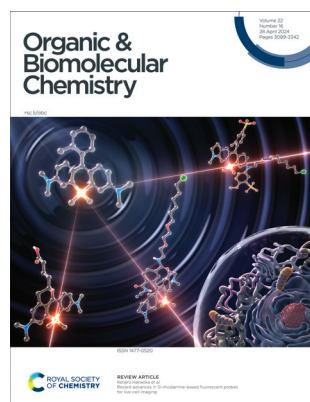
An international journal of synthetic, physical and biomolecular organic chemistry

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Cover

See Kenjiro Hanaoka et al.,
pp. 3099–3108.

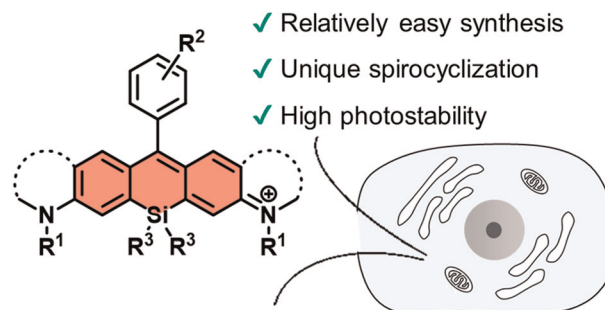
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Chem.*, 2024, **22**, 3099.

REVIEWS

3099

Recent advances in Si-rhodamine-based fluorescent probes for live-cell imaging

Hisashi Ohno, Eita Sasaki, Sota Yamada and
Kenjiro Hanaoka*

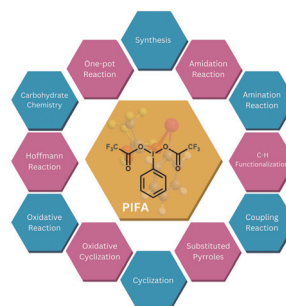


- ✓ Relatively easy synthesis
- ✓ Unique spirocyclization
- ✓ High photostability

3109

Phenyliodine bis(trifluoroacetate) as a sustainable reagent: exploring its significance in organic synthesis

Sumit Kumar, Aditi Arora, Sunil K. Singh,* Rajesh Kumar,
Bhawani Shankar and Brajendra K. Singh*



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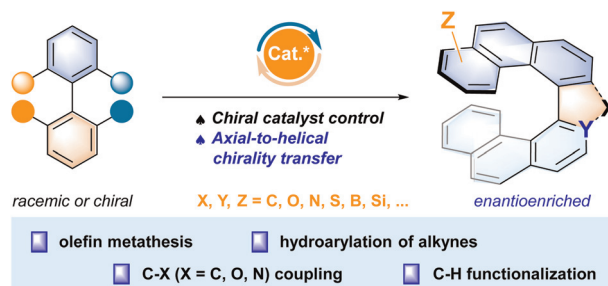
**Fundamental questions
Elemental answers**

REVIEWS

3186

Catalytic asymmetric construction of helicenes via transformation of biaryls

Peiling Fan, Lun Li and Deyun Qian*

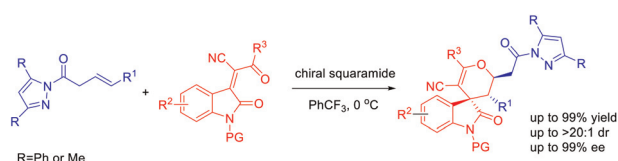


COMMUNICATIONS

3198

Enantioselective synthesis of spirooxindole-pyran derivatives via a remote inverse-electron-demand Diels–Alder reaction of β,γ -unsaturated amides

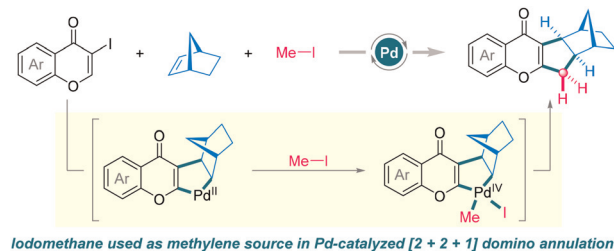
Yuzhen Chen, Jiajia Chen, Lin Zhong, Yili Zhang, Ruoting Zhan, Huicai Huang* and Yongbo Xue*



3204

Iodomethane in C1 chemistry: application in palladium-catalyzed [2 + 2 + 1] annulation

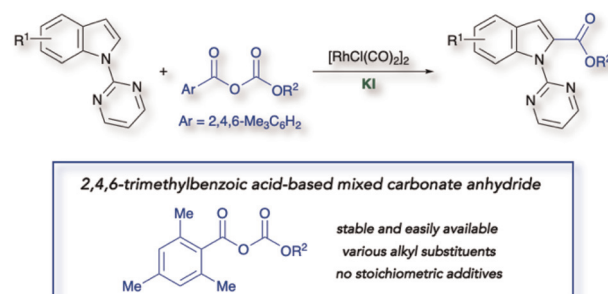
Jin-Ke Zhang, Yu-Chen Fang, Jia-He Chen, Jing Shan, Mei Bai, Qiang Huang, Yong-Zheng Chen and Wen-Yong Han*



3209

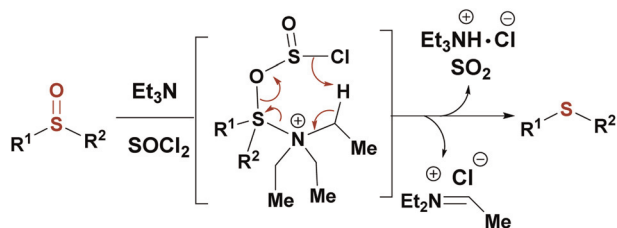
Rhodium-catalysed additive-free alkoxycarbonylation of indoles: 2,4,6-trimethylbenzoic acid-based carbonate anhydrides as a versatile alkoxycarboxyl source

Hirotugu Suzuki,* Yuki Ito, Kentaro Yabe, Yosuke Takemura and Takanori Matsuda*



COMMUNICATIONS

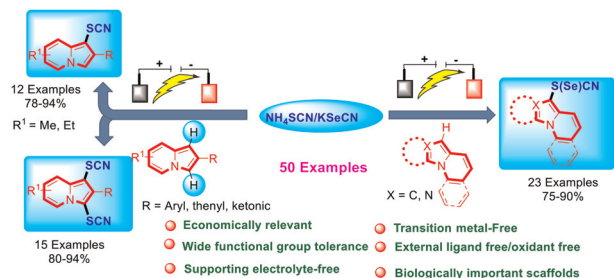
3215



Triethyl amine as an effective reducing agent for sulfoxide deoxygenation

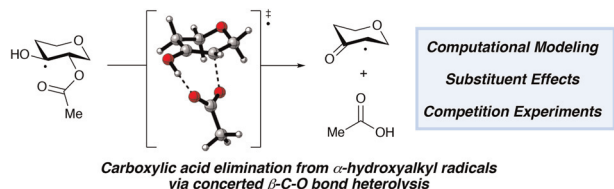
Xiaojing Gao, Fumin Chen, Ming Yu Jin* and Chen Xu*

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Electrochemical selective divergent C–H chalcogenocyanation of *N*-heterocyclic scaffolds

Kusum Ucheniya, Pooja Kumari Jat, Amreen Chouhan, Lalit Yadav and Satpal Singh Badsara*

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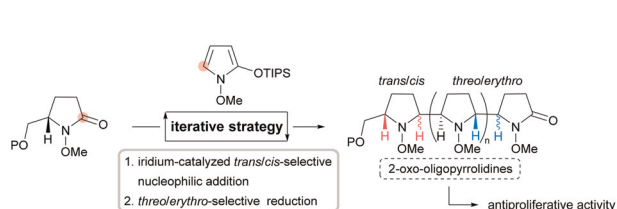


On the mechanism of carboxylate elimination from carbohydrate monoester-derived radicals

Julia A. Turner, Hendrik Zipse* and Mark S. Taylor*

PAPERS

3230



Stereodivergent synthesis of 2-oxo-oligopyrrolidines by an iterative coupling strategy

Yasuki Soda, Kumpei Tatsumi, Matteo Forner, Shunsei Sato, Kana Shibuya, Tomoe Matagawa, Siro Simizu, Noritaka Chida, Toshitaka Okamura* and Takaaki Sato*

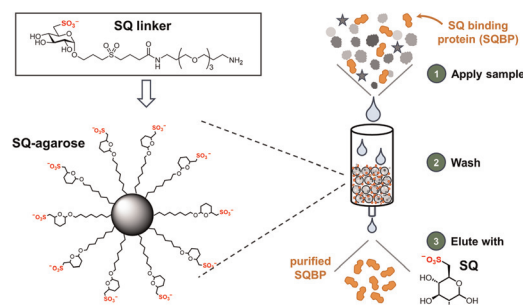


PAPERS

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Capture-and-release of a sulfoquinovose-binding protein on sulfoquinovose-modified agarose

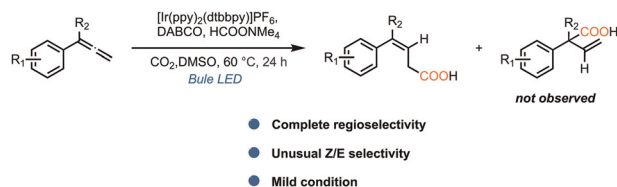
Thimali Arumapperuma, Alexander J. D. Snow, Mihwa Lee, Mahima Sharma, Yongyang Zhang, James P. Lingford, Ethan D. Goddard-Borger,* Gideon J. Davies* and Spencer J. Williams*



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Visible-light-promoted regioselective hydrocarboxylation of allenes with formate salt and CO₂

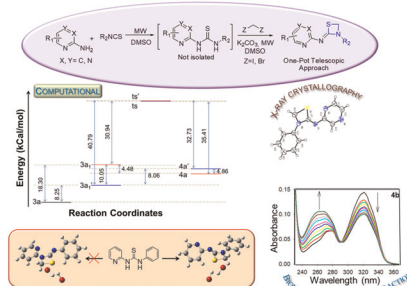
Xian-Ming Zhang, Bao-En Liu, Zhen-Qiang Zhang* and Zhuang-Ping Zhan*



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Synthetic access to diverse thiazetidines via a one-pot microwave assisted telescopic approach and their interaction with biomolecules

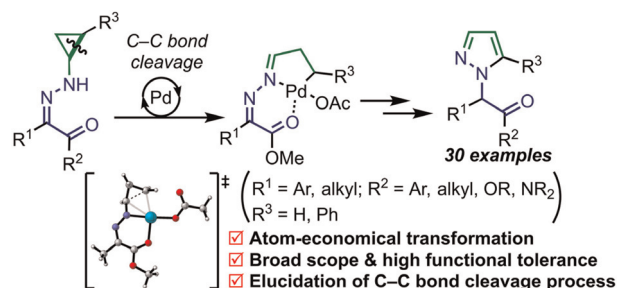
Ramdas Nishanth Rao, Soumyadip Das, Kezia Jacob, Mohammed Mujahid Alam, M. M. Balamurali* and Kaushik Chanda*



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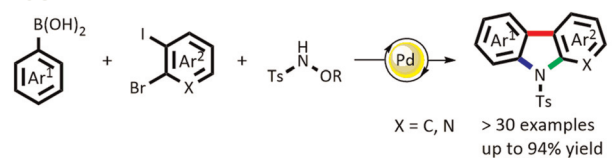
Palladium-catalyzed C–C bond cleavage of *N*-cyclopropyl acylhydrazones

Hiroki Fujioka, Motohiro Yasui,* Shohei Hamada, Kohei Fukumi, Norihiko Takeda, Yusuke Kobayashi, Takumi Furuta and Masafumi Ueda*



PAPERS

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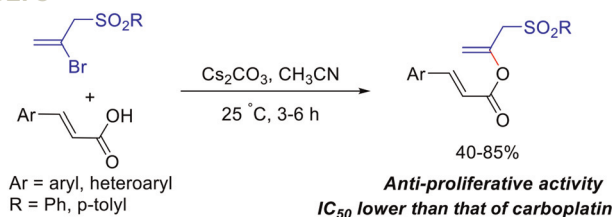


- Simple starting materials
- Simple operation
- High yield
- Wild substrate scope
- Rapidly construct functional organic molecules

Pd-catalyzed three-component [2 + 2 + 1] cycloamination toward carbazoles

Mingzhu Shen, Min Li and Jingxun Yu*

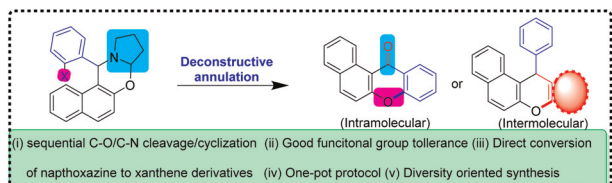
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A formal vinylic substitution reaction for the synthesis of α,β -unsaturated enol esters and their anticancer potential

Bhawna Swami, Neetu Kumari, Mulaka Maruthi, Neethu K. Kunjunny and Rajeev S. Menon*

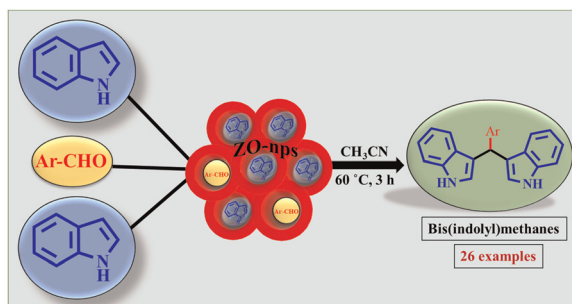
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Deconstructive annulation mediated one-pot synthesis of xanthene derivatives

Balasubramaniyam Manikandan, Subbiah Thamocharan, Olivier Blacque and Subramaniapillai Selva Ganesan*

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Zirconium oxide nano-catalyzed synthesis of pharmacologically important bis(indolyl)methanes: a highly efficient and mild approach

Komal Rathi, Om Shanker Tiwari,* Varun Rawat,* Jawahar L. Jat, Dinesh Kumar Yadav and Ved Prakash Verma*

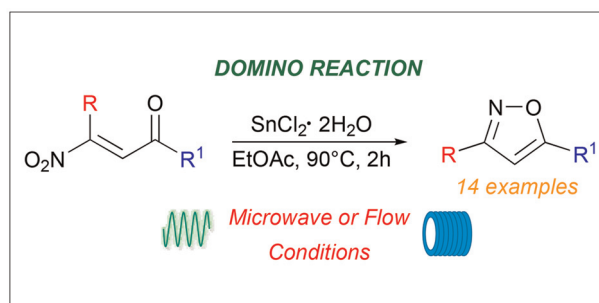


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Synthesis of 3,5-disubstituted isoxazoles by domino reductive Nef reaction/cyclization of β -nitroenones

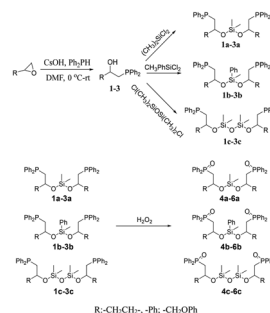
Muhammad Ehtisham Ibraheem Khan,
Tomas Lighuen Cassini, Marino Petrini and
Alessandro Palmieri*



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Siloxane-containing phosphine (oxide) ligands for enhanced catalytic activity of cobalt complexes for hydrosilylation reactions

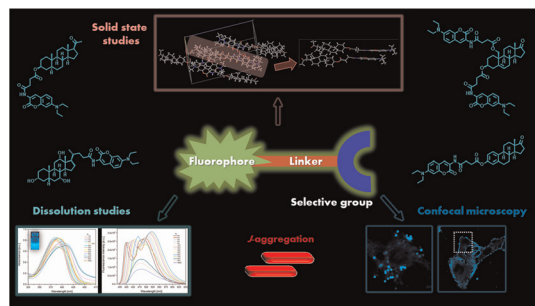
Peng Liu, Jiajian Peng, Ying Bai and Jiayun Li*



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Exploring the self-assembly dynamics of novel steroid–coumarin conjugates: a comprehensive spectroscopic and solid-state investigation

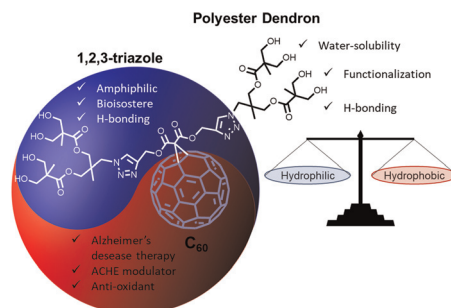
Claudia M. Ramírez-Lozano, Ma. Eugenia Ochoa,
Pablo Labra-Vázquez, Arturo Jiménez-Sánchez,
Norberto Farfán and Rosa Santillan*



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Click synthesis of dendronized malonates for the preparation of amphiphilic dendro[60]fullerenes

Carlos Cruz-Hernández, Perla Y. López-Camacho,
Gustavo Basurto-Islas, Aaron Rojas, Patricia Guadarrama
and Melchor Martínez-Herrera*



CORRECTION

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Correction: Recent progress of core-substituted naphthalenediimides: highlights from 2010

Sheshanath V. Bhosale,* Sidhanath V. Bhosale* and Suresh K. Bhargava

