

# Organic & Biomolecular Chemistry

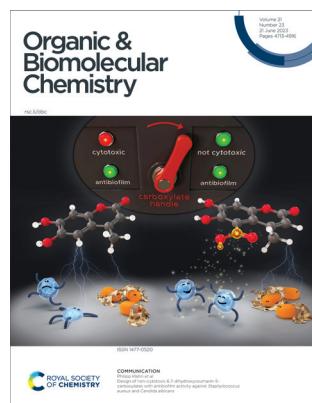
An international journal of synthetic, physical and biomolecular organic chemistry

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## IN THIS ISSUE

ISSN 1477-0520 CODEN OBCRAK 21(23) 4713–4916 (2023)



### Cover

See Philipp Klahn *et al.*,  
pp. 4744–4749.

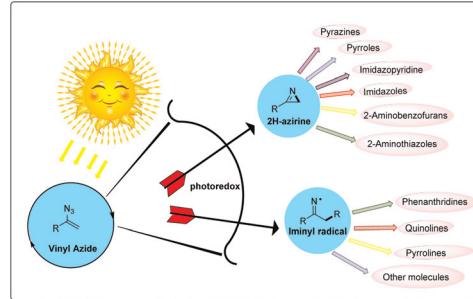
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*Org. Biomol. Chem.*, 2023,  
**21**, 4744.

## REVIEW

4723

### Visible light-assisted chemistry of vinyl azides and its applications in organic synthesis

Barakha Saxena, Roshan I. Patel, Jaya Tripathi and  
Anuj Sharma\*

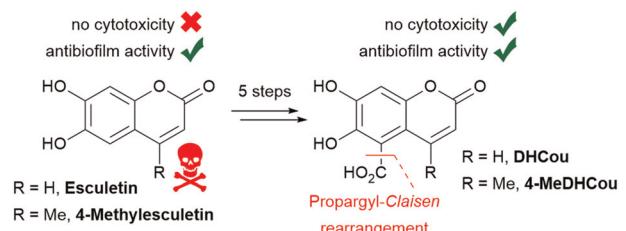


## COMMUNICATIONS

4744

### Design of non-cytotoxic 6,7-dihydroxycoumarin-5-carboxylates with antibiofilm activity against *Staphylococcus aureus* and *Candida albicans*

Robert Zscherp, Aishi Chakrabarti, Anna P. Lehmann, Hedda Schrey, Hoaxuan Zeng, Wera Collisi and Philipp Klahn\*



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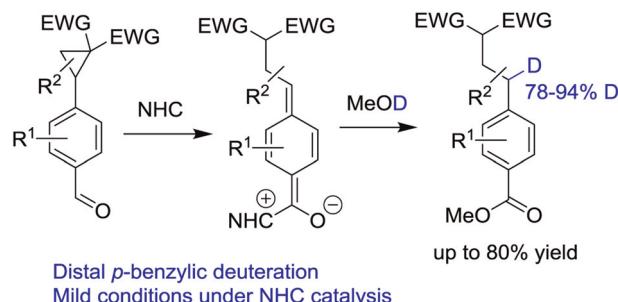


## COMMUNICATIONS

4750

Distal *p*-benzylic deuteration via N-heterocyclic carbene catalyzed ring opening of *p*-cyclopropylbenzaldehydes

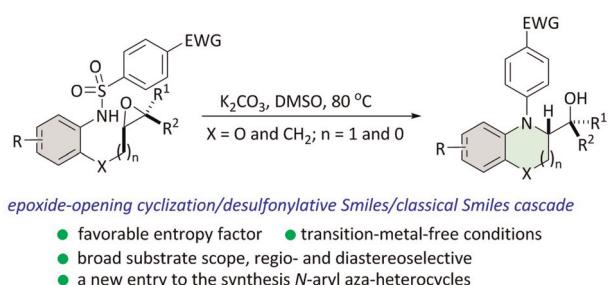
Ye Qiu, Lei Dai, Zhong-Hua Gao and Song Ye\*



4755

An epoxide-opening cyclization/double Smiles rearrangement cascade approach to *N*-aryl-1,4-benzoxazines and *N*-aryllindolines

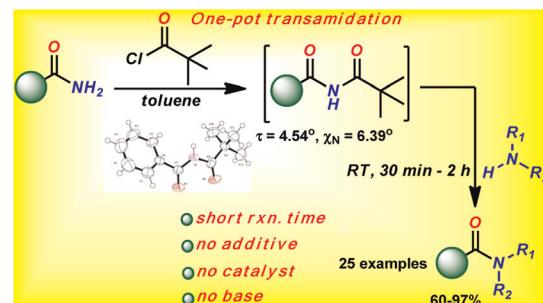
Jonali Das, Abhijit Gogoi, Biraj Jyoti Borah and Sajal Kumar Das\*



4760

Amidic resonance not a barrier for transamidation of *N*-pivaloyl activated amides: catalyst, base and additive free conditions

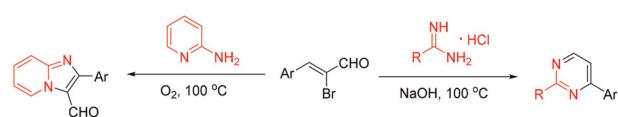
Ida Angel Priya Samuel Rajan and Saravanakumar Rajendran\*



4766

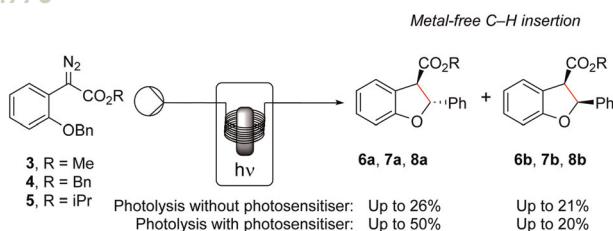
Annulation of  $\alpha$ -bromocinnamaldehydes to access 3-formyl-imidazo[1,2- $\alpha$ ]pyridines and pyrimidines under transition metal-free conditions

Fanglian Zhang, Jiameng Liu, Wenjun Luo, Yuping Zhu, Yi Xiao, Shuxian Ma, Feixian Luo\* and Zhengwang Chen\*



## PAPERS

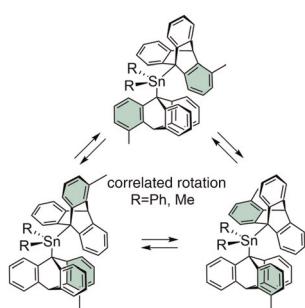
4770



**Flow photolysis of aryl diazoacetates leading to dihydrobenzofurans *via* intramolecular C-H insertion**

Katie S. O'Callaghan, Denis Lynch, Marcus Baumann, Stuart G. Collins\* and Anita R. Maguire\*

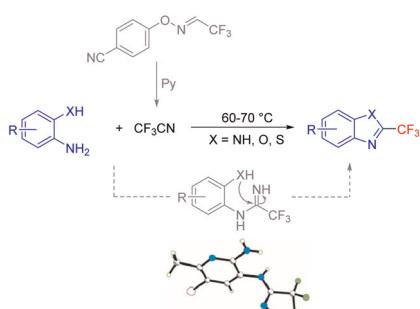
4781



**Synthesis and structure of stannane-based molecular bevel gears having substituents on a tin linker**

Satoshi Hosono, Yusuke Inagaki and Wataru Setaka\*

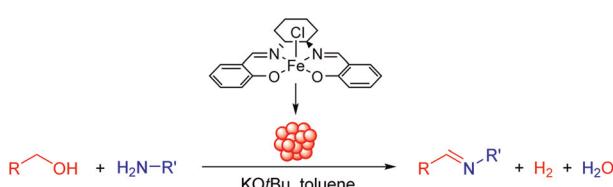
4788



**Synthesis of 2-trifluoromethyl benzimidazoles, benzoxazoles, and benzothiazoles *via* condensation of diamines or amino(thio)phenols with CF<sub>3</sub>CN**

Bo Lin, Yunfei Yao, Minze Wu, Lu Qin, Shouxiong Chen, Yi You\* and Zhiqiang Weng\*

4794



**Development and mechanistic investigation of the dehydrogenation of alcohols with an iron(III) salen catalyst**

Nicolai S. B. Hansen, Fabrizio Monda, Frederik Simonsen Bro, Xiyue Liu, Mårten S. G. Ahlquist and Robert Madsen\*

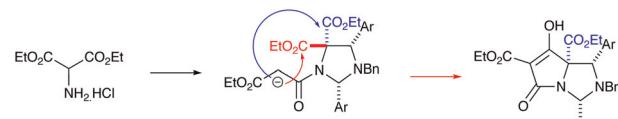


## PAPERS

4801

**Synthesis of fused tetramate-oxazolidine and -imidazolidine derivatives and their antibacterial activity**

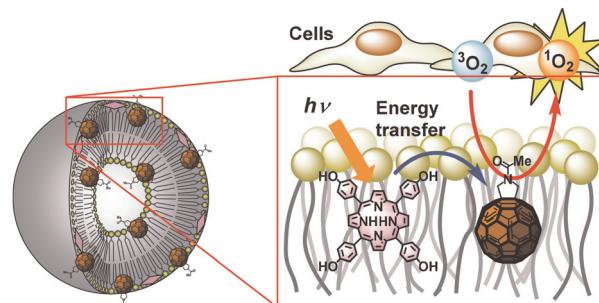
Liban Saney, Tharindi Panduwawala, Xiang Li, Kirsten E. Christensen, Miroslav Genov, Alexander Pretsch, Dagmar Pretsch and Mark G. Moloney\*



4810

**Improvement in photodynamic activity by a porphyrin–fullerene composite system in lipid membranes**

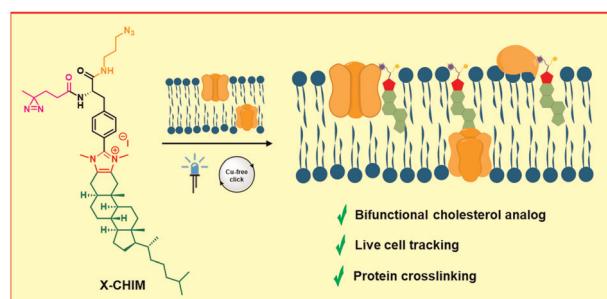
Kotaro Nishimura, Keita Yamana, Riku Kawasaki and Atsushi Ikeda\*



4817

**A bifunctional imidazolium-based cholesterol analog for the tracking of cellular cholesterol distributions and cholesterol–protein interactions**

Tristan Wegner, Anna L. L. Matos, Karine Porte, Kira Mehring, Marco Pierau, Hendrik Horstmeier, Volker Gerke\* and Frank Glorius\*



4823

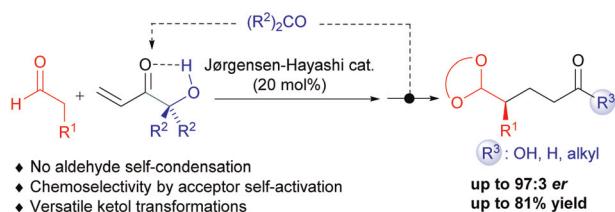
**Visible-light promoted cascade cyanoalkylsulfonylation/*ipso*-cyclization of *N*-arylpropiolamides toward sulfonated spiro[4.5]trienones *via* SO<sub>2</sub> insertion**

Xiwen Shan, Yu Gao, Yaru Lu, Rong Huang, Tengteng Sun, Kui Lu and Xia Zhao\*



## PAPERS

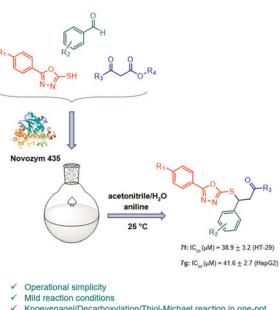
4833



### Development of an $\alpha'$ -hydroxy enone for the aminocatalytic asymmetric formal conjugate addition of aldehydes to acrylates, vinyl ketones and acrolein

José M. Odriozola, Jesús Razkin, Beñat Lorea, Antonia Mielgo, Jesús M. García,\* Mikel Oiarbide\* and Claudio Palomo\*

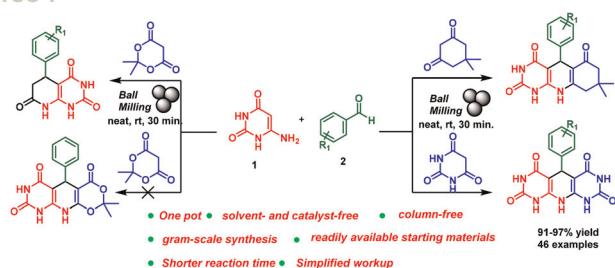
4846



### Biocatalytic synthesis of oxadiazole thioethers and evaluation of their antitumor activity

Negin Neissari, Mansour Shahedi, Zohreh Habibi,\* Maryam Yousefi, Arash Minai-Tehrani, Fatemeh Yazdi Samadi, Jesper Brask, Hossein Bavandi and Mehdi Mohammadi\*

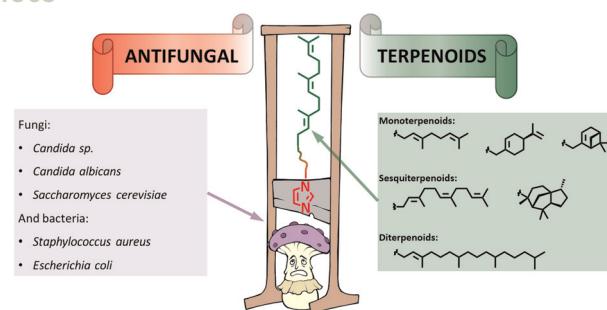
4854



### A green synthesis of pyrimido[4,5-b]quinolines and pyrido[2,3-d]pyrimidines via a mechanochemical approach

Himanshu Kumar Singh, Arsala Kamal, Suresh Kumar Maurya, Ambuj Kumar Kushwaha, Vandana Srivastava and Sundaram Singh\*

4863



### Towards potential antifungal agents: synthesis, supramolecular self-assembly and *in vitro* activity of azole mono-, sesqui- and diterpenoids

Alan Akhmedov, Rustem Gamirov, Yulia Panina, Evgenia Sokolova, Yulia Leonteva, Evgeniya Tarasova, Ramziya Potekhina, Igor Fitsev, Dmitriy Shurpik and Ivan Stoikov\*

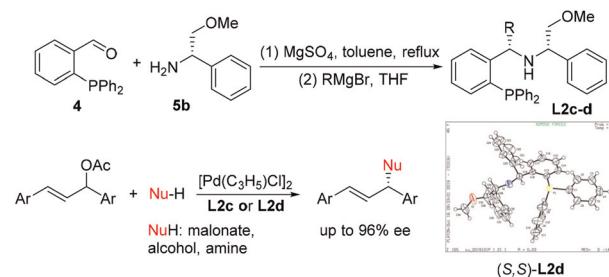


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4874

**New  $P,N_{sp^3}$  ligands for palladium-catalyzed asymmetric allylic substitutions**

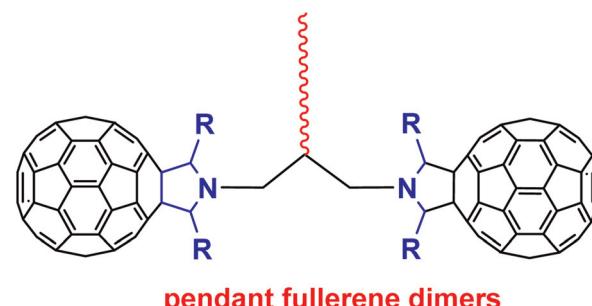
Qin Su, Chuan-Jin Hou,\* De-Quan Wei, Hao Qin, Ding-Hua Liang and Xiang-Ping Hu\*



4881

**Synthesis of pendant fullerene dimers by an aminomethylation reaction of fulleroptyrrolidines bearing ketone moieties**

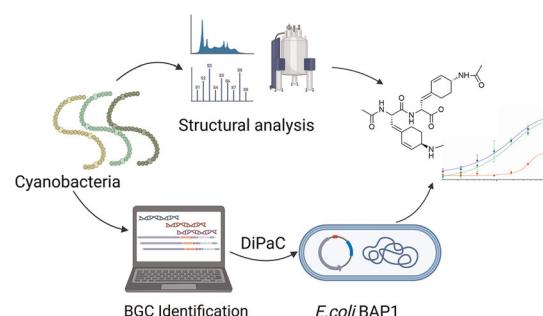
Qian-Na Peng, Hui-Juan Wang, Xing-Yu Wang, Fa-Bao Li,\* Li Liu, Xiaoli Wang, Ping Wu\* and Chao-Yang Liu\*



4893

**Direct pathway cloning and expression of the radiosumin biosynthetic gene cluster**

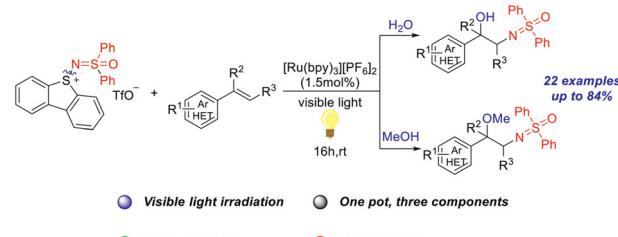
Xiaodan Ouyang, Paul M. D'Agostino, Matti Wahlsten, Endrebs Delbaje, Jouni Jokela, Perttu Permi, Greta Gaiani, Antti Poso, Piia Bartos, Tobias A. M. Gulder, Hannu Koistinen and David P. Fewer\*



4909

**Visible light-mediated three-component functionalization of olefins with sulfoxyimidoylsulfonium salt for the synthesis of  $\beta$ -amino alcohols and amino ethers**

Wei Xie, Liang Zhao, Xinmei Fu, Rong Zhang, Xinyu Hao, Chunying Duan and Yaming Li\*



## RETRACTION

4913

**Retraction: Direct Sb–S cross-coupling of halostibines with thiols and disulfides at room temperature**

Wei Li, Shan Li, Zixiu Wang, Chenfu Liu, Yifei Ye, Yujing Chen, Yuyan Xiong and Jian Lei

