

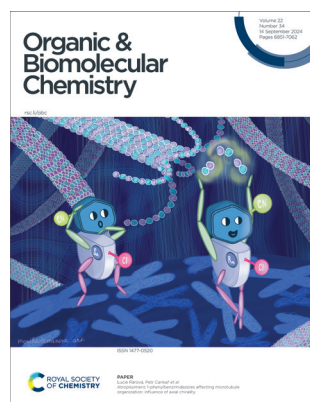
# Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry  
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## IN THIS ISSUE

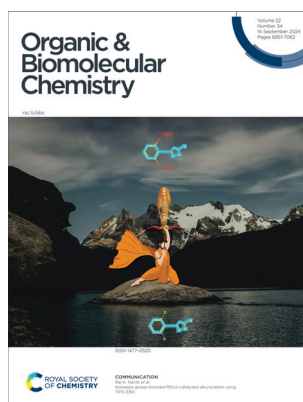
ISSN 1477-0520 CODEN OBCRAK 22(34) 6851-7062 (2024)



**Cover**  
See Lucie Rárová, Petr Cankar  
*et al.*, pp. 6966–6980.

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pp. 6922–6927.

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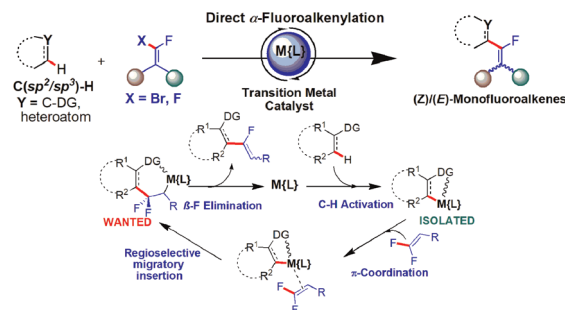
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**22**, 6922.

## REVIEWS

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### Transition metal-catalyzed $C(sp^2/sp^3)$ -H $\alpha$ -fluoroalkenylation from *gem*-(bromo/di)fluoroalkenes to monofluoroalkenes: scope, mechanisms, and synthetic applications

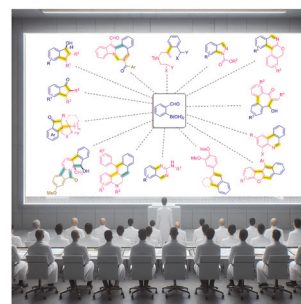
Essam M. Eliwa, Ahmed H. Bedair and  
Jean-Pierre Djukic\*



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### Transition metal-catalyzed transformations of 2-formylarylboronic acids

Fatemeh Doraghi, Amir Mohammad Taherkhani,  
Tolou Hosseinfar, Parviz Rashidi Ranjbar,  
Bagher Larijani and Mohammad Mahdavi\*



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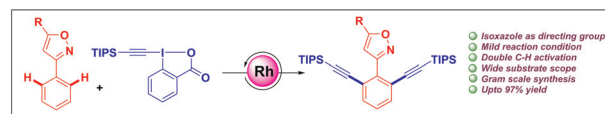
Fundamental questions  
Elemental answers

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## Isoxazole group directed Rh(III)-catalyzed alkylation using TIPS-EBX

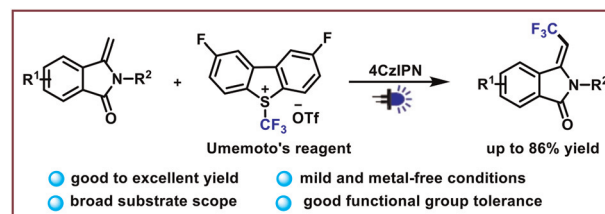
Sukanya Das, Tanmoy Datta, Md. Abbasuddin Sk, Brindaban Roy and Raj K. Nandi\*



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Photoredox-catalyzed C(sp<sup>2</sup>)-H trifluoromethylation of 3-methylene-isoindolin-1-ones under metal-free conditions

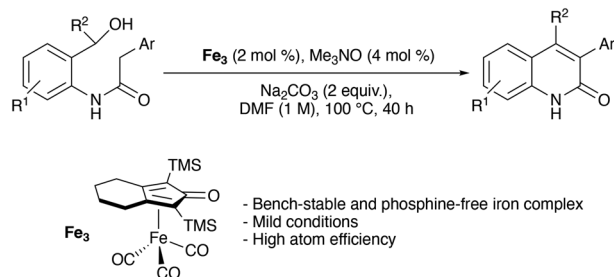
Yuan-Xia Zhou, Feng-Qian Liu, Guo-Qin Wang, Dan Yang,\* Pan Han\* and Lin-Hai Jing\*



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## Iron-catalyzed synthesis of substituted 3-arylquinolin-2(1H)-ones via an intramolecular dehydrogenative coupling of amido-alcohols

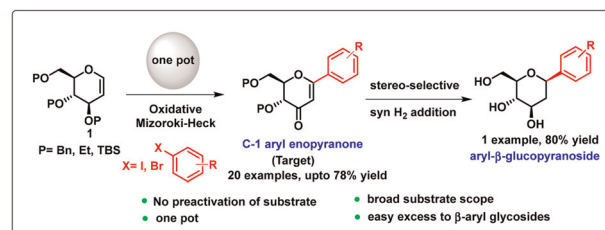
Léo Bettoni, Nicolas Joly, Inès Mendas, Matteo Maria Mosconi, Jean-François Lohier, Sylvain Gaillard, Albert Poater\* and Jean-Luc Renaud\*



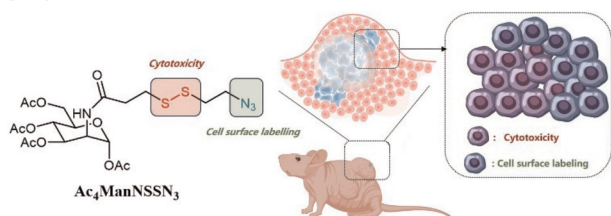
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## Synthesis of aryl enopyranones directly from glycals and aromatic halides to access 2-deoxy-β-C-aryl glycosides

Irshad Ahmad Zargar, Bisma Rasool, S. K. Bappa and Debaraj Mukherjee\*



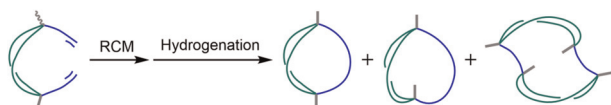
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### A novel tumor theranostic strategy based on metabolic glycoengineering and disulfidptosis

Jie Li, Hao Chang, Pengzhe Zhang, Liyu Hou, Wei Li,\*  
Yixin Zhang\* and Zhiqi Lao\*

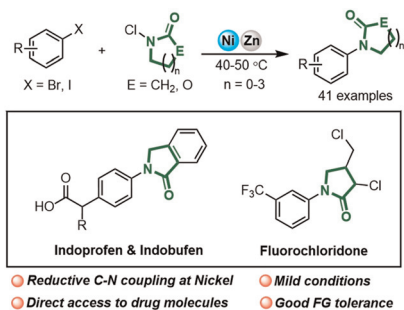
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### Ring-closing metathesis of dialkenylcycloalkanes for the synthesis of fused bicycloalkanes and tricycloalkanes

Yuyang Tu, Yusuke Inagaki, Kazuaki Ohara,  
Kentaro Yamaguchi and Wataru Setaka\*

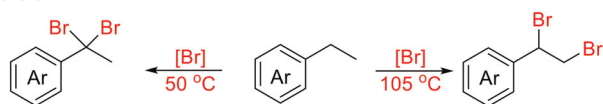
6955



### Nickel-catalyzed reductive C-N bond cross-coupling between aryl halides and N-chloroamides

Yiting Luo, Jiacan Yao, Yunzhi He, Chang Xu\* and  
Dandan Liu\*

6960



[Br] = NaBr/NaBrO<sub>3</sub>/H<sub>2</sub>SO<sub>4</sub>

- Efficient selectivity switch
- Cheap and green bromination system
- High dibromination reactivity
- Including inert C<sub>sp3</sub>-H bromination

### Selective 1,1- and 1,2-dibromination of phenylethanes in the presence of NaBr/NaBrO<sub>3</sub>/H<sub>2</sub>SO<sub>4</sub> as the bromination reagent

Haohao Jiang, Kaidi Jin, Xia Lin, Mengzhao Yu,  
Xiaohui Xiao\* and Xiaolei Huang\*

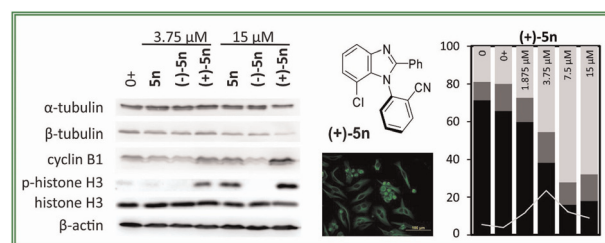


## PAPERS

6966

**Atropisomeric 1-phenylbenzimidazoles affecting microtubule organization: influence of axial chirality**

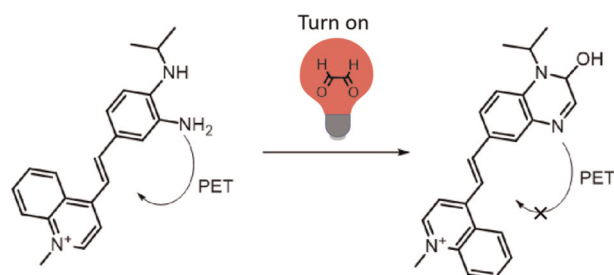
Jana Pospíšilová, Tomáš Heger, Ondřej Kurka, Marie Kvasnicová, Anna Chládková, Ivan Nemeč, Lucie Rárová\* and Petr Cankář\*



6981

**Selectively lighting up glyoxal in living cells using an *o*-phenylenediamine fused hemicyanine**

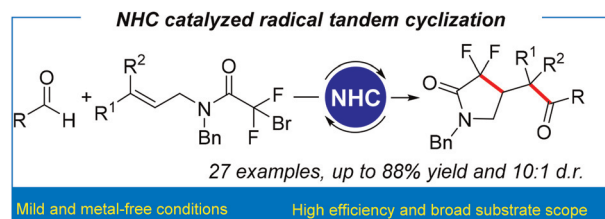
Zhiming Wang, Chang Liu,\* Huirong Yao, Song He, Liancheng Zhao and Xianshun Zeng\*



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**NHC catalyzed radical tandem cyclization: an efficient synthesis of  $\alpha,\alpha$ -difluoro- $\gamma$ -lactam derivatives**

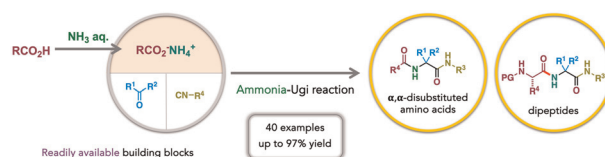
Tianjiao Huang, Huiping Yin, Tuanjie Li, Chenxia Yu, Kai Zhang\* and Changsheng Yao\*



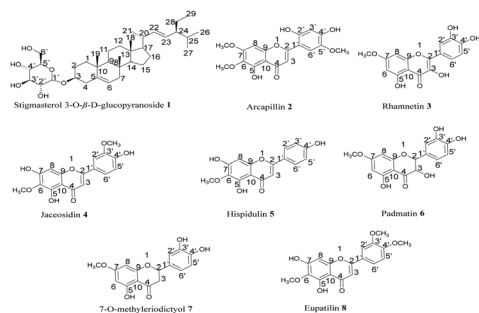
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**Ammonium carboxylates in the ammonia-Ugi reaction: one-pot synthesis of  $\alpha,\alpha$ -disubstituted amino acid derivatives including unnatural dipeptides**

Keisuke Tomohara,\* Satoru Kusaba, Mana Masui, Tatsuya Uchida, Hisanori Nambu and Takeru Nose\*



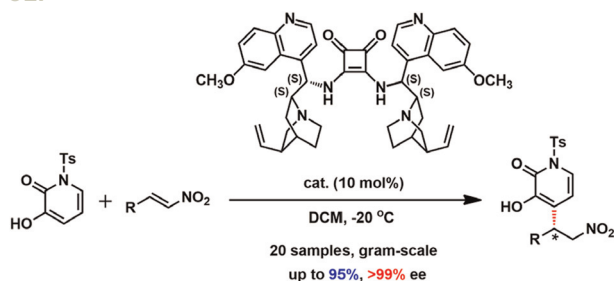
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### Dual SARS-CoV-2 and MERS-CoV inhibitors from *Artemisia monosperma*: isolation, structure elucidation, molecular modelling studies, and *in vitro* activities

Ahmed M. Badawy, Marwa Samir M. Donia, Nehal G. Hamdy, Mayada M. El-Ayouty, Osama G. Mohamed, Khaled M. Darwish, Ashootosh Tripathi and Safwat A. Ahmed\*

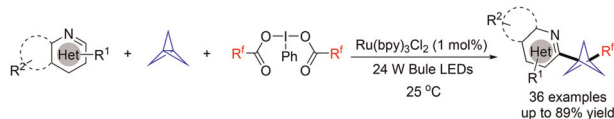
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### Enantioselective Michael addition of 3-hydroxy-2-pyridone to nitroolefins using cinchona-derived bifunctional organocatalysts

Minseok Gi, Daehyun Oh, Sehun Yang, Jaeyong Lee, So Hyun Jung, Ju Ha Baek, Min Woo Ha, Geumwoo Lee\* and Hyeung-geun Park\*

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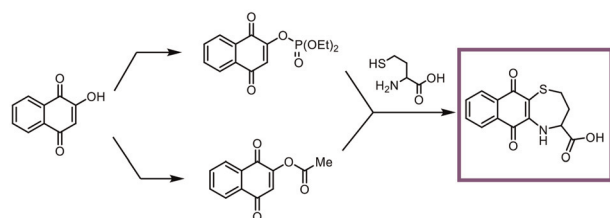


### Photochemical tandem reaction of nitrogen containing heterocycles, bicyclo[1.1.1]pentane, and difluoroiodane(III) reagents

Yaqing Zhu, Fengchao Yi, Ningning Zhou, Yi Zhang, Ying Zhang, Xia Zhao and Kui Lu\*

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### Biosynthesis of brevinic acid from lawsone



### Biosynthesis of brevinic acid from lawsone

Maximilian Hohmann, Jonas F. Ohlrogge and Tobias A. M. Gulder\*

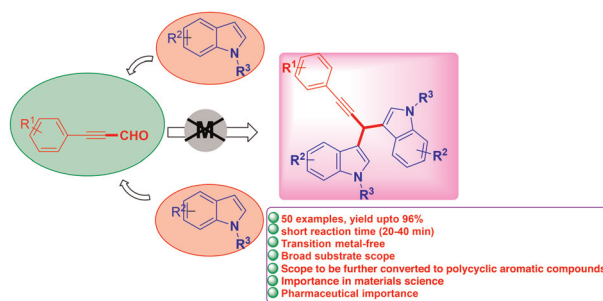


## PAPERS

7039

## Transition metal-free efficient synthesis of bis(indolyl)propynes (BIPs)

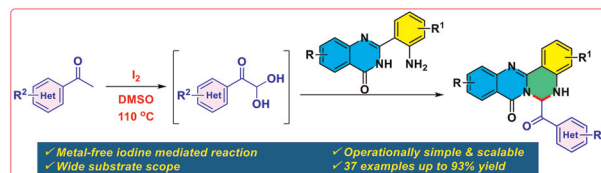
Anjali Chaturvedi, Vishal Sharma, Fathimath Nafla CM, Katikam SivaPrasad, Deepak Sharma, Nikhil Kumar, Rushal Chandel, Manpreet Singh, Ravindra K. Rawal\* and Virender Singh\*



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Iodine-promoted sequential C(sp<sup>3</sup>)-H oxidation and cyclization of aryl methyl ketones with 2-(2-aminophenyl)quinazolin-4(3H)-ones

Mariyaraj Arockiaraj and Venkatachalam Rajeshkumar\*



## CORRECTION

7059

## Correction: Atropisomeric 1-phenylbenzimidazoles affecting microtubule organization: influence of axial chirality

Jana Pospíšilová, Tomáš Heger, Ondřej Kurka, Marie Kvasnicová, Anna Chládková, Ivan Nemeč, Lucie Rárová\* and Petr Cankář\*

