

Organic & Biomolecular Chemistry

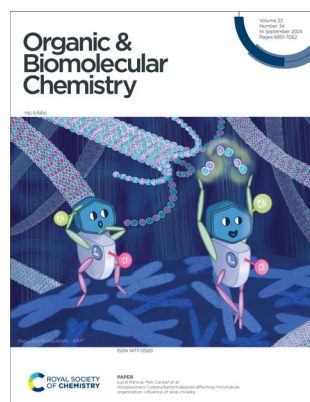
An international journal of synthetic, physical and biomolecular organic chemistry

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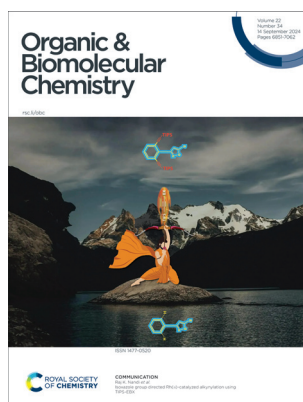


Cover

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

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Inside cover

See Raj K. Nandi *et al.*, pp. 6922–6927.

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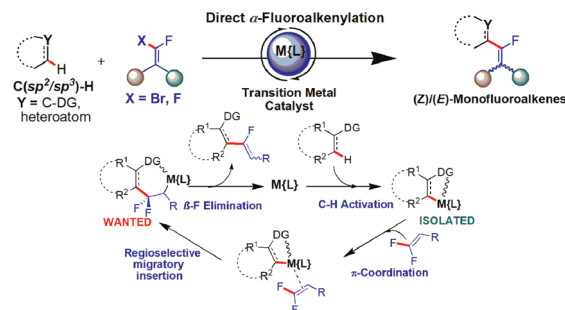
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REVIEWS

6860

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

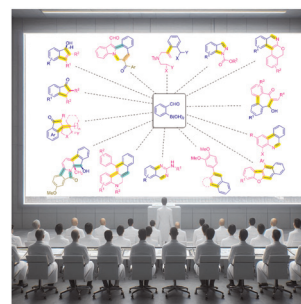
Essam M. Eliwa, Ahmed H. Bedair and Jean-Pierre Djukic*



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Transition metal-catalyzed transformations of 2-formylarylboronic acids

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



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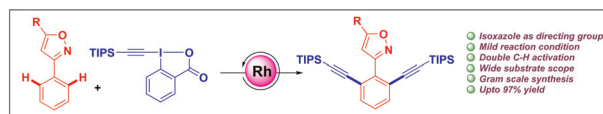
Fundamental questions
Elemental answers

COMMUNICATIONS

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

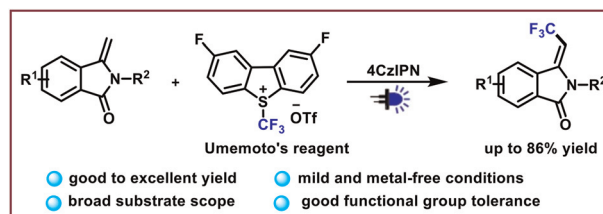
Sukanya Das, Tanmoy Datta, Md. Abbasuddin Sk, Brindaban Roy and Raj K. Nandi*



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Photoredox-catalyzed C(sp²)-H trifluoromethylation of 3-methylene-isoindolin-1-ones under metal-free conditions

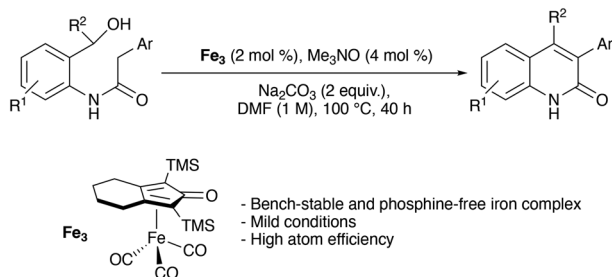
Yuan-Xia Zhou, Feng-Qian Liu, Guo-Qin Wang, Dan Yang,* Pan Han* and Lin-Hai Jing*



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

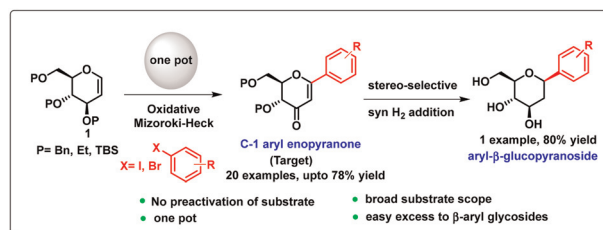
Léo Bettoni, Nicolas Joly, Inès Mendas, Matteo Maria Mosconi, Jean-François Lohier, Sylvain Gaillard, Albert Poater* and Jean-Luc Renaud*



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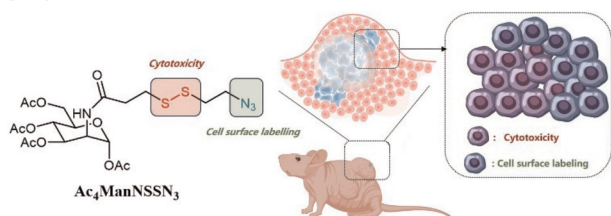
Synthesis of aryl enopyranones directly from glycals and aromatic halides to access 2-deoxy-β-C-aryl glycosides

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



COMMUNICATIONS

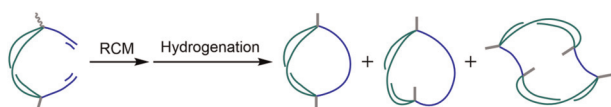
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A novel tumor theranostic strategy based on metabolic glycoengineering and disulfidptosis

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

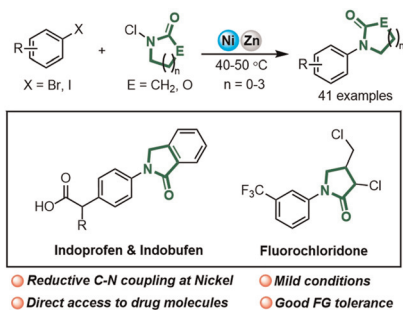
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Ring-closing metathesis of dialkenylcycloalkanes for the synthesis of fused bicycloalkanes and tricycloalkanes

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

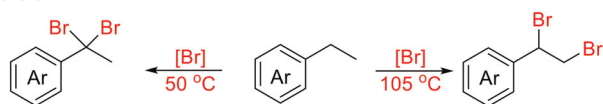
6955



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/NaBrO₃/H₂SO₄

- Efficient selectivity switch
- Cheap and green bromination system
- High dibromination reactivity
- Including inert C_{sp3}-H bromination

Selective 1,1- and 1,2-dibromination of phenylethanes in the presence of NaBr/NaBrO₃/H₂SO₄ as the bromination reagent

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

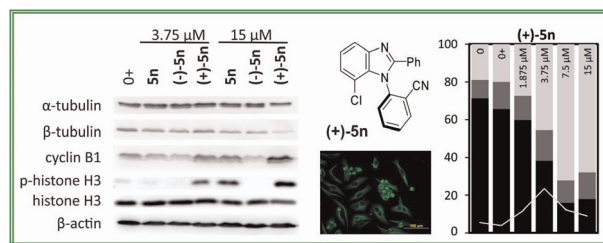


PAPERS

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

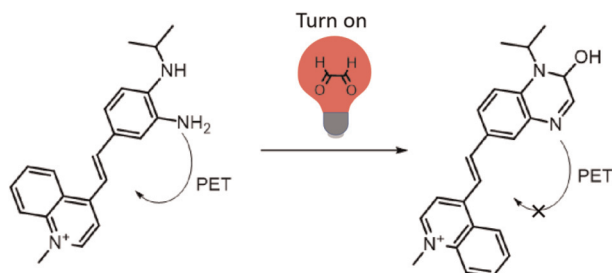
Jana Pospíšilová, Tomáš Heger, Ondřej Kurka, Marie Kvasnicová, Anna Chládková, Ivan Nemeč, Lucie Rárová* and Petr Cankář*



6981

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

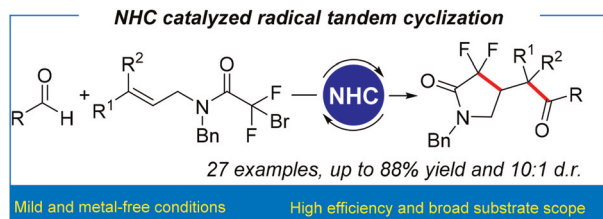
Zhiming Wang, Chang Liu,* Huirong Yao, Song He, Liancheng Zhao and Xianshun Zeng*



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NHC catalyzed radical tandem cyclization: an efficient synthesis of α,α -difluoro- γ -lactam derivatives

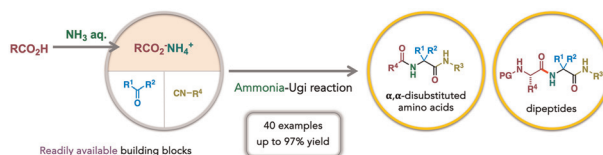
Tianjiao Huang, Huiping Yin, Tuanjie Li, Chenxia Yu, Kai Zhang* and Changsheng Yao*



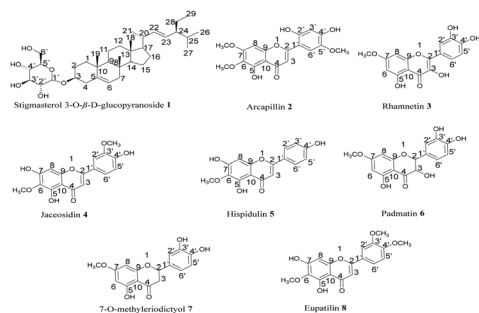
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Ammonium carboxylates in the ammonia-Ugi reaction: one-pot synthesis of α,α -disubstituted amino acid derivatives including unnatural dipeptides

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



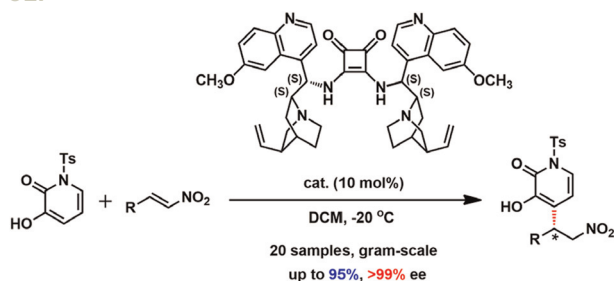
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Dual SARS-CoV-2 and MERS-CoV inhibitors from *Artemisia monosperma*: isolation, structure elucidation, molecular modelling studies, and *in vitro* activities

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*

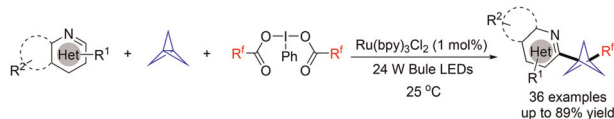
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Enantioselective Michael addition of 3-hydroxy-2-pyridone to nitroolefins using cinchona-derived bifunctional organocatalysts

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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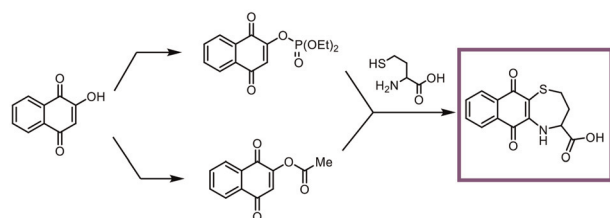


Photochemical tandem reaction of nitrogen containing heterocycles, bicyclo[1.1.1]pentane, and difluoroiodane(III) reagents

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*

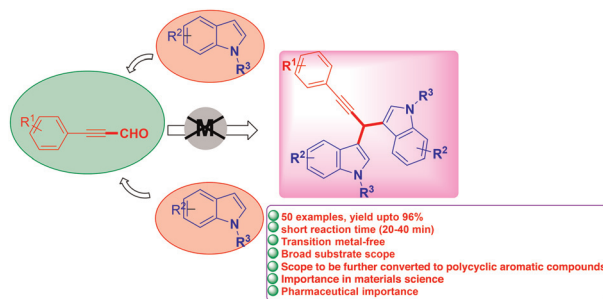


PAPERS

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

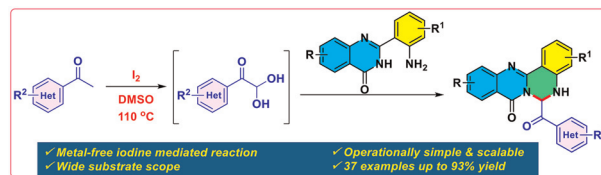
Anjali Chaturvedi, Vishal Sharma, Fathimath Nafla CM, Katikam SivaPrasad, Deepak Sharma, Nikhil Kumar, Rushal Chandel, Manpreet Singh, Ravindra K. Rawal* and Virender Singh*



7052

Iodine-promoted sequential C(sp³)-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*

