

Organic & Biomolecular Chemistry

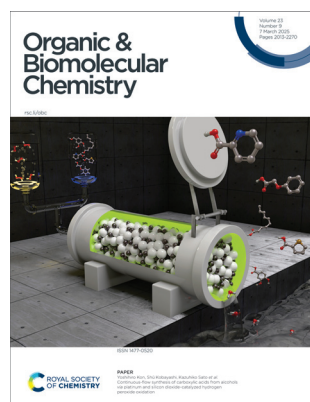
An international journal of synthetic, physical and biomolecular organic chemistry

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See Yoshihiro Kon,
Shū Kobayashi, Kazuhiko Sato
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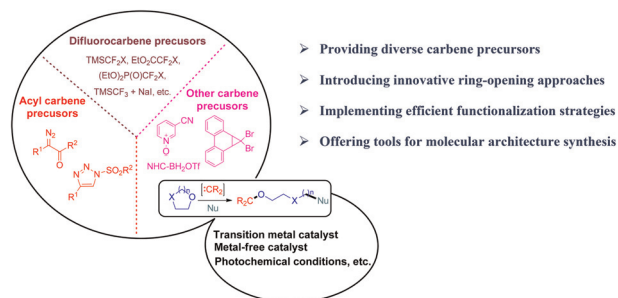
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Yoshihiro Kon from
Org. Biomol. Chem.,
2025, **23**, 2125.

REVIEWS

2024

Carbene-induced ring-opening reactions of five-/six-membered cyclic ethers: expanding the frontiers of functional group introduction and molecular architecture construction

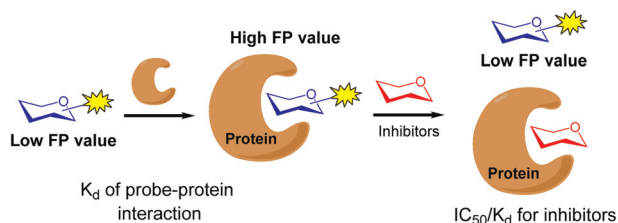
Jun Xiao, Dandan Jiang, Xiujuan Wu, Juanhua Li,
Kunming Liu,* Bin Huang* and Wei Wang*



2041

Fluorescence polarization assays to study carbohydrate–protein interactions

José L. de Paz* and Pedro M. Nieto*





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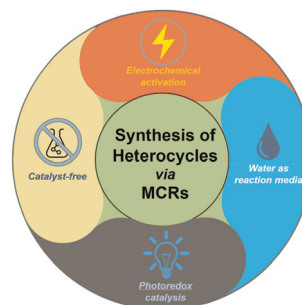
**Fundamental questions
Elemental answers**

REVIEWS

2059

Recent advances in green multi-component reactions for heterocyclic compound construction

Xinling Shen, Gang Hong and Limin Wang*

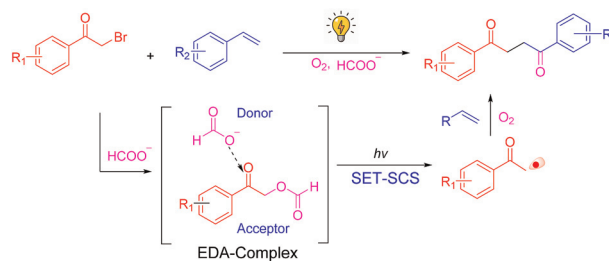


COMMUNICATIONS

2079

Photocatalyst-free formate-mediated C–O cleavage by the EDA complex and SCS strategy for the synthesis of diaryl 1,4-diketone in air

Molai Zhao, Yutong Liu, Xueqin Chen, Min Peng, Yawen Wang, Xiangwei Liu, Hezhong Jiang, Rui Tan* and Jiahong Li*

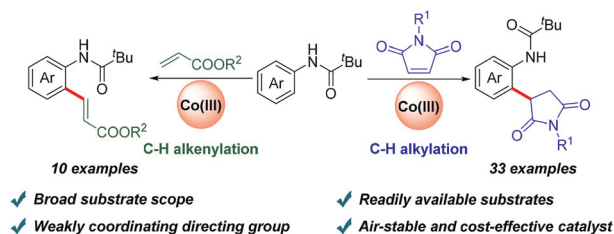


• Metal-free • Photocatalyst free • Visible light • Air as oxidant

2086

Cp*Co(III)-catalyzed *ortho*-alkylation/alkenylation of anilides

Yongqi Yu,* Jiajia Yu, Yanqi Li, Mengdan You, Rantao Huang, Weiguang Kong, Ming Chen, Jinjin Bai, Wenguang Li* and Ting Li*



✓ Broad substrate scope

✓ Weakly coordinating directing group

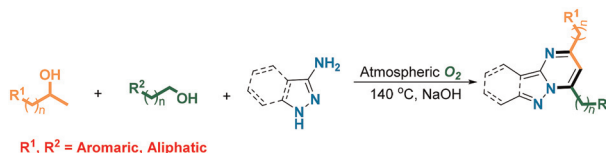
✓ Readily available substrates

✓ Air-stable and cost-effective catalyst

2092

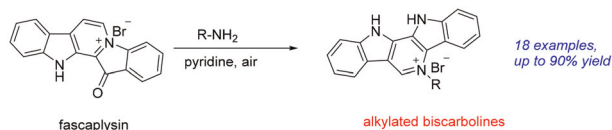
Atmospheric oxygen mediated oxidation coupling of primary and secondary alcohols: synthesis of pyrazolo[1,5-a]pyrimidines

Xiaoshuang Guo, Peng Zhao, Chengjun Jiang, Yongmin Ma* and Maozhong Miao*

R¹, R² = Aromatic, Aliphatic

COMMUNICATIONS

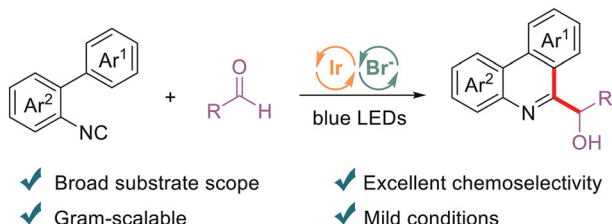
2096



Unexpected amine-triggered skeletal modification of fascaplysin and its derivatives: rapid access to δ,γ -biscarbolines

Zizhen Wang, Huanhuan Wang, Mei Xu, Liping Wang and Sheng Liu*

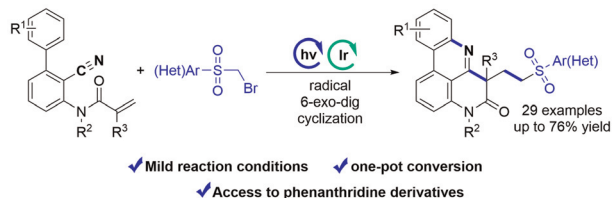
2101



Bromide-promoted cascade annulation of isocyanobiaryls with aldehydes through photoredox catalysis

Mengran Gan, Xiaoting Wu, Xiaochen Ji* and Huawen Huang*

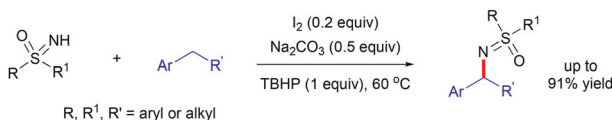
2106



Visible-light-promoted cascade cyclization of *N*-arylacrylamides with bromomethyl sulfone: access to sulfonylmethylated phenanthridines

Qiannan Tan, Xia Mi,* Jingyu Zhang and Chao Pi

2111



I₂-Catalyzed benzylation of NH-sulfoximines with diarylmethanes and alkylarenes

Yiyi Chen, Qisheng Chen, Shuangquan Zhang, Kun Feng, Xianqiang Kong,* Xiaohui Chen,* Wenjuan Li* and Zhong-Yan Cao*

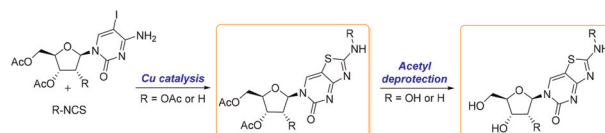


COMMUNICATIONS

2115

Bicyclic nucleoside analogues: synthesis of thiazolopyrimidine-based nucleosides *via* a copper-catalysed tandem reaction of 5-iodocytidine with isothiocyanates

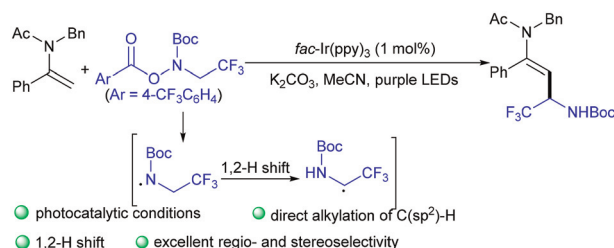
Anjana Jyothilekshmi, Reshma Elizabeth Lukose, Angel Johny, Uthara Kaloore, Megha Nellyadan, Sheba Ann Babu* and Jubi John*



2120

Photocatalytic stereoselective synthesis of amido-substituted (*E*)- α -trifluoromethyl allyl amines *via* Heck-type alkylation

Lingli Liu, Yangian Cheng, Changduo Pan* and Jin-Tao Yu*

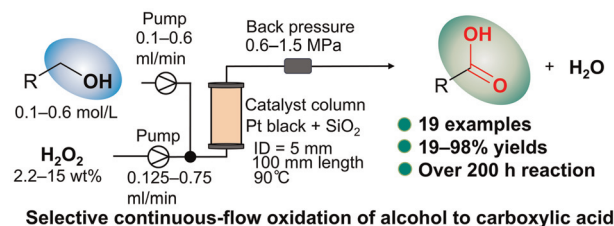


PAPERS

2125

Continuous-flow synthesis of carboxylic acids from alcohols *via* platinum and silicon dioxide-catalyzed hydrogen peroxide oxidation

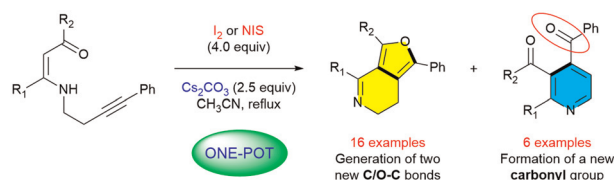
Yoshihiro Kon,* Takuya Nakashima, Yoshiki Makino, Shun-ya Onozawa, Hiroyuki Miyamura, Shū Kobayashi* and Kazuhiko Sato*



2133

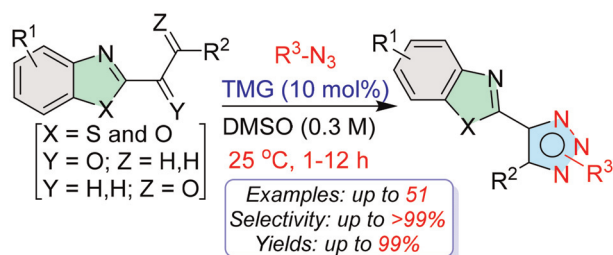
Facile synthesis of unknown 6,7-dihydrofuro[3,4-c]pyridines and 3,4-diaryloylpyridines from *N*-homopropargylic β -enaminones

Elif Serel Yilmaz, Kerem Kaya and Metin Zora*



PAPERS

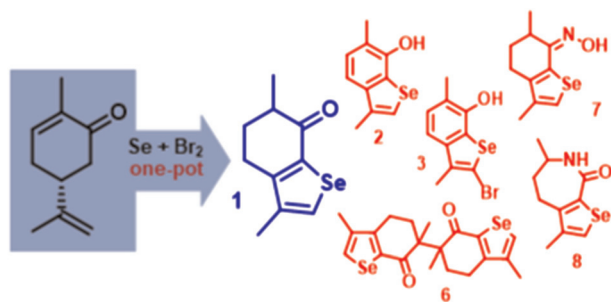
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Direct organocatalytic chemoselective synthesis of pharmaceutically active benzothiazole/benzoxazole-triazoles

Badaraita Gorachand, Pandhiti R. Lakshmi and Dhevalapally B. Ramachary*

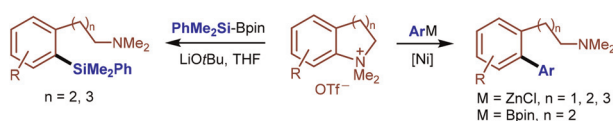
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Monoterpenoid selenophenes derived from (–)-carvone with GPx-like activity

João P. Telo,* Luis F. Veiros, Vânia André, João Ferreira da Silva, Gonçalo C. Justino and Alexandra M. M. Antunes

2162



Cross-coupling reaction of cyclic quaternary ammonium salts with arylzinc reagents, arylboron reagents, and silylboronates

Hong-Xia Jiang and Zhong-Xia Wang*

2172



Condensation of carboxylic acids with amines using the Boc₂O/DMAP system under solvent-free conditions

Mourad Boukachabia,* Mounia Merabet-Khelassi and Olivier Riant

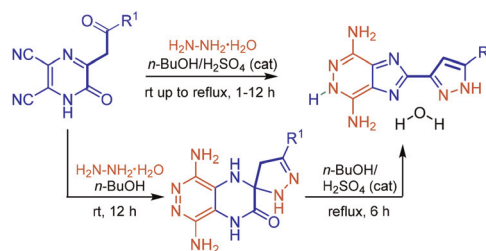


PAPERS

2180

ANRORC type rearrangement/intermolecular cyclocondensation cascade of 5,6-dicyano-3-(2-oxo-2-ethyl)pyrazin-2(1H)-ones with hydrazine hydrate for the synthesis of 2-(pyrazol-3-yl)imidazo[4,5-d]pyridazines

Vakhid A. Mamedov,* Venera R. Galimullina, Zheng-Wang Qu,* Hui Zhu, Victor V. Syakaev, Dariya V. Nikolaeva, Il'dar Kh. Rizvanov, Aidar T. Gubaidullin, Oleg G. Sinyashin and Stefan Grimme

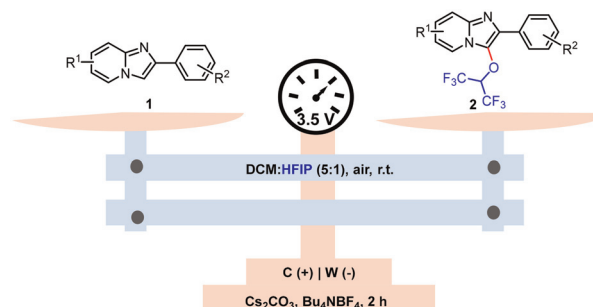


- ★ Readily accessible substrates ★ High efficiency and atom-economy
- ★ New rearrangement ★ Simultaneous formation of two ring systems
- ★ Mechanistic insights using DFT calculations

2190

An efficient direct electrolysis method for the synthesis of 1,1,1,3,3,3-hexafluoroisopropoxy substituted imidazo[1,2-a]pyridines

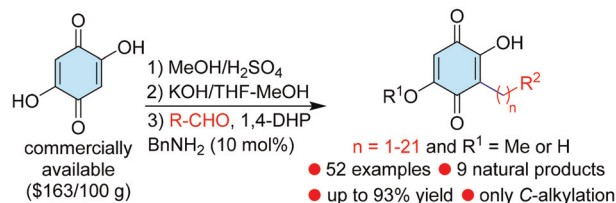
Yanyan Kong,* Ming Gong, Xuemei Xu, Yangjie Wu and Xingmao Jiang*



2195

High-yielding total synthesis of embelin, rapanone, and irisoquin A, D, F

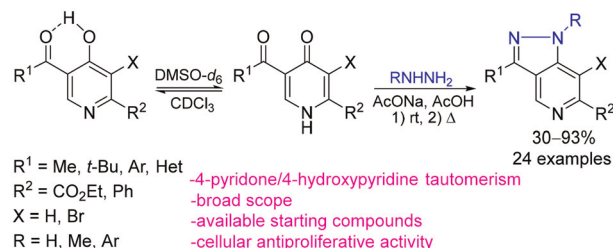
Etikala Ashok, Pandhiti R. Lakshmi, Shyam D. Sanwal and Dhevalapally B. Ramachary*



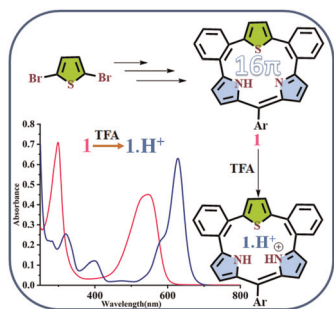
2206

Regioselective synthesis of 5-azaindazoles based on the intramolecular amination reaction of 5-acyl-4-pyridones with hydrazines

Viktoria V. Viktorova, Dmitrii L. Obydenov,* Alsu F. Mustafina, Maria V. Ulitko, Mikhail Y. Kornev and Vyacheslav Y. Sosnovskikh



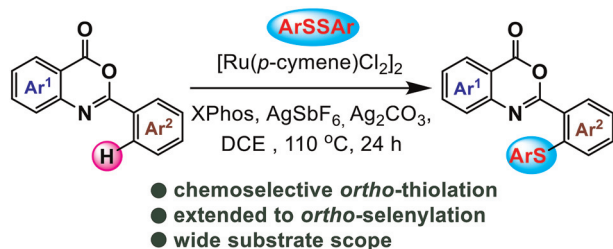
2221



Synthesis of nonaromatic [16]thiatriphyrin(2.2.1)s

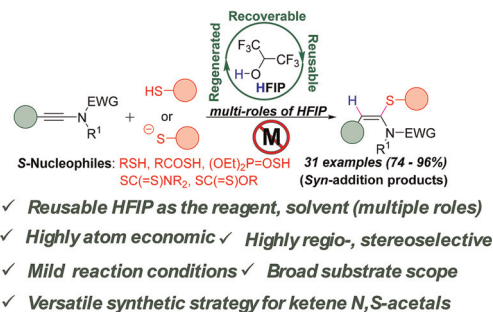
Shubham Tiwari and Mangalampalli Ravikanth*

2229

Disulfide-mediated ruthenium-catalyzed direct C–H thiolation in benzoxazinone systems: selective synthesis of *ortho*-thiolated 2-arylbenzoxazinones

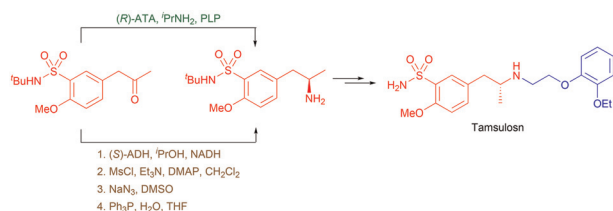
Debabrata Patra, Mohabul Alam Mondal and Amit Saha*

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HFIP-mediated, regio- and stereoselective hydrosulfenylation of ynamides: a versatile strategy for accessing ketene *N,S*-acetals

Appanapalli N. V. Satyanarayana, Paramita Pattanayak and Tanmay Chatterjee*

2244



Chemoenzymatic synthesis of Tamsulosin

Enol de Prado, Juan Mangas-Sánchez* and Vicente Gotor-Fernández*

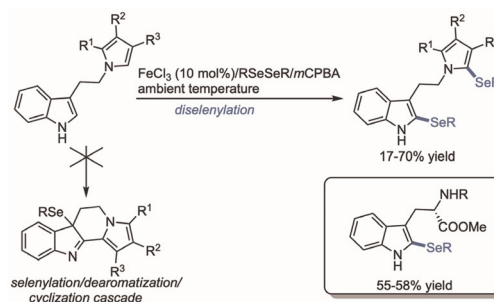


PAPERS

2254

FeCl₃-catalyzed oxidative diselenylation of pyrrole-tethered indoles

Jing Zhou, Xue Sheng, Man Jiang and Hai-Lei Cui*



2263

Stereoselective synthesis of 3-oxo-2-C-branched glycosides from 2,3-unsaturated sugars via [3,3]-sigmatropic rearrangement

Intzar Ali, Sravani Gundumalla and Ramu Sridhar Perali*

