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Cover
See Michal Szostak, Chinnappan Sivasankar *et al.*, pp. 734–766.

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Hilal Ahmad Khan, Michal Szostak* and Chinnappan Sivasankar*

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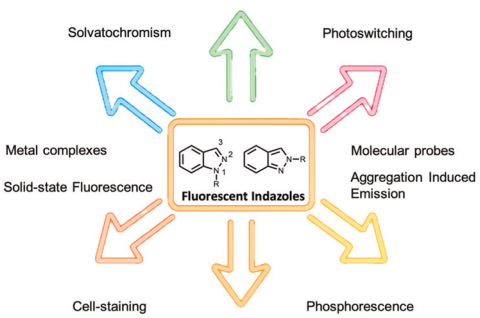
Synthesis of indazole-based fluorophores

Thibault Gallavardin* and Xavier Franck*



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REVIEWS

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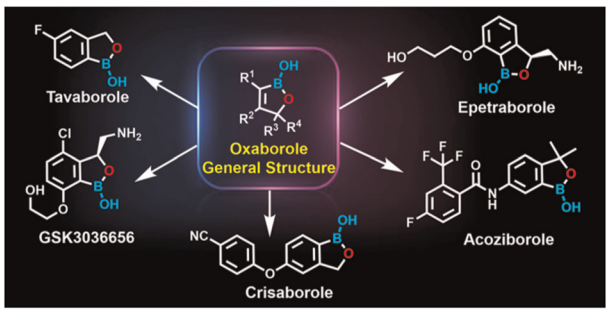
Recent advances in the synthesis and applications of oxaborole derivatives

Mrittika Mohar,* Tanmay Das* and Alakananda Hajra*



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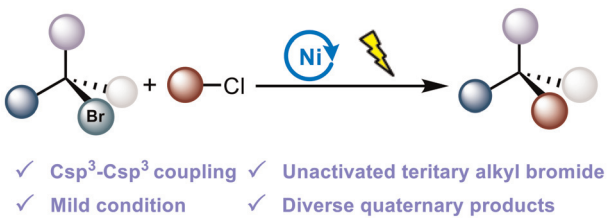
Electrochemical cross-electrophile coupling of unactivated tertiary alkyl bromides with benzyl chloride to access quaternary stereocenters

Yun Yang, Shaokun Tao, Li Chen, Yi Tan, Jiaqi Xu, Haiyan Fu, Ruixiang Li, Hua Chen, Weichao Xue* and Xueli Zheng*



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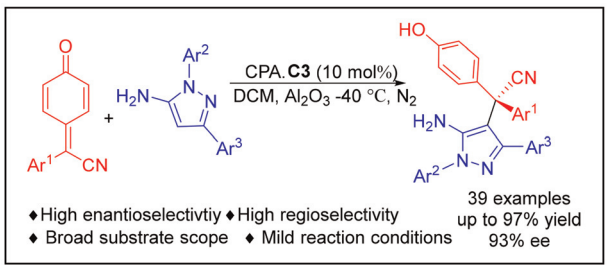
Catalytic asymmetric 1,6-type Friedel–Crafts (hetero)arylations of δ-cyano substituted *para*-quinone methides with 5-aminopyrazoles

Shi-Na Zhao, Hui-Qiao Song, Yi Hu, Fen Gao, Yonghui He* and Xiao-Jing Zhao*



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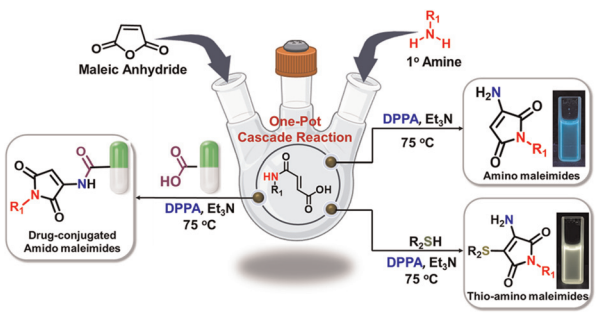
One-pot cascade synthesis of 2-aminomaleimides and thioaminomaleimides: an alternative fluorogenic platform capable of drug conjugation

Harendra Kumar, Aakriti Garg, Sawan Kumar, Devendra Kumar Dhaked, Sreya Gupta* and Subhendu Bhowmik*



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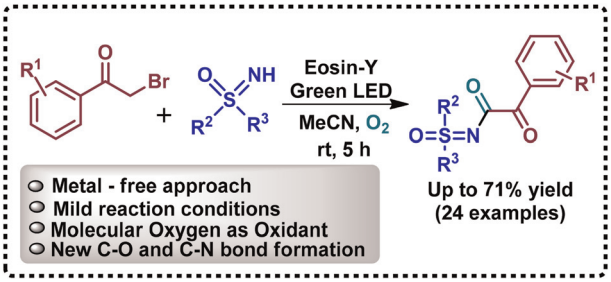

Metal-free synthesis of α-keto-*N*-acyl sulfoximines from sulfoximines and α-bromomethyl aryl ketones under photoredox catalysis

V. Navaneetha Krishnan, K. Natarajan, V. R. Padma Priya, A. Antony Haritha Mercy and Ganesh Chandra Nandi*

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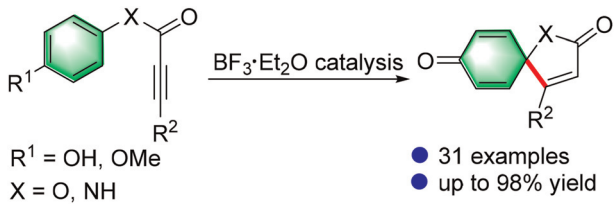

BF_3·Et_2O-catalyzed dearomative spirocyclization of ynones for the synthesis of spirolactams and spirolactones

Yu Zhao, Jingfu Zhu, Quanye Liu, Kangyi Li, Shu Chen, Yu Cheng, Wei Li and Di Wu*

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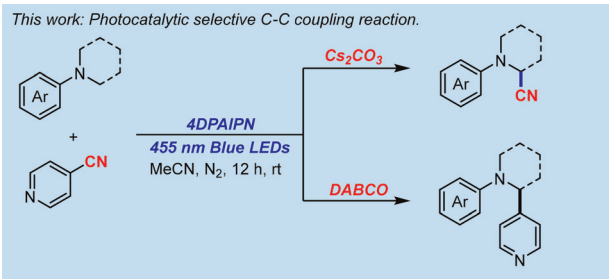

Base-dependent divergent α-cyanation and pyridylation of tertiary amines with cyanoaromatics

Kai Ge, Yezhe Zhao, Haowen Dang, Min Wang* and Jiabin Shen*

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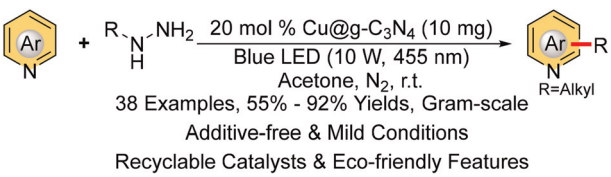

$Cu@g-C_3N_4$ heterojunction-catalyzed visible-light-driven direct C–H alkylation of heterocycles

Hong-Tao Ji,* Jia-Sheng Wang, Jin-Feng Shang, Rong-Qiang Li,* Zi Yang,* Hai-Tao Zhu and Wei-Min He*

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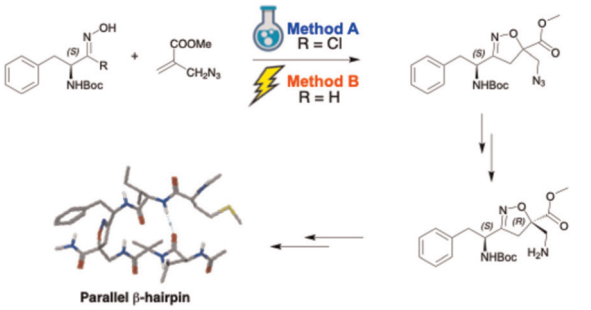
Sustainable electrochemical synthesis of a new isoxazoline scaffold as turn inducer to build parallel β-hairpins

Zoe Laface, Gianluigi Broggini, Camilla Loro,* Davide Di Lorenzo, Giovanni Macetti, Alessandro Contini, Maria Luisa Gelmi, Kaliroi Peqini and Raffaella Bucci*



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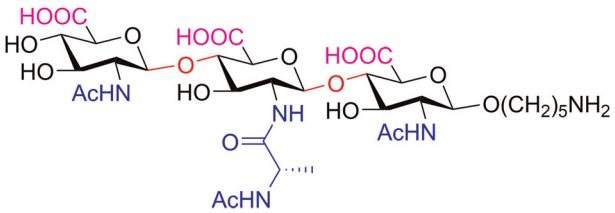
Synthesis of aminoglucuronic acid glycans from the capsular polysaccharide of *Staphylococcus aureus* type 2

Jintao Shang, Yikun Yu, Jinfeng Lin, Dongsheng Chang, Lvfeng Zhang, Liming Zhao and You Yang*



Aminoglucuronic acid glycan of *S. aureus* CP2

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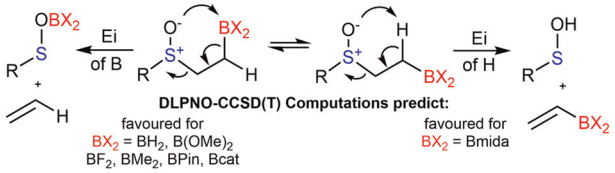
A computational investigation of the thermal elimination chemistry of β-borylated sulfoxides. Sulfenic acid *vs.* boryl sulfenate elimination

Eric A. Nicol and Adrian L. Schwan*



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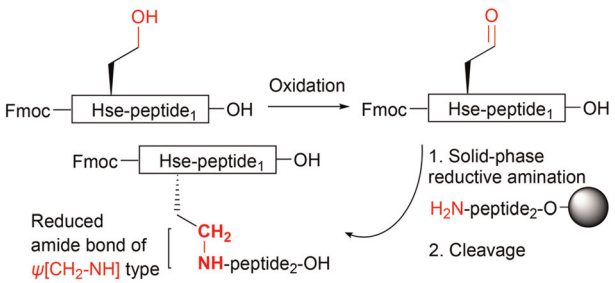
Use of homoserinyl γ-aldehyde–containing peptides in solid-phase reductive amination

Dimitrios Tolis, Dimitra Magkafa and Spyridon Mourtas*



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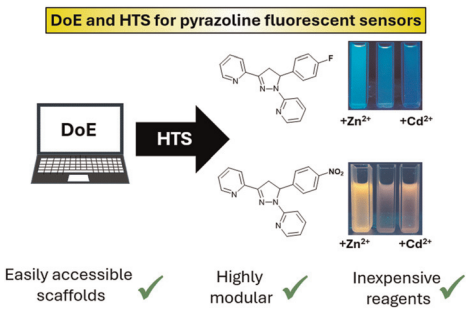

High-throughput DoE synthesis of chalcones and pyrazolines for fluorescent sensing

Alexander Ciupa

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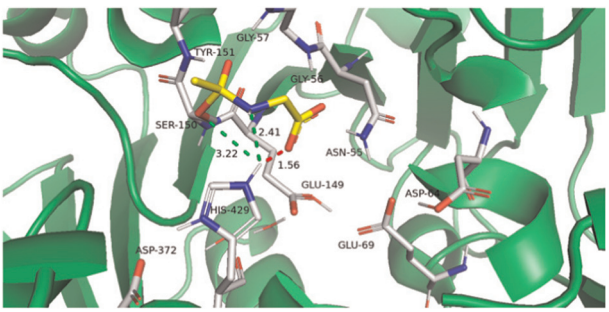

pH related activity and reaction mechanism of CatA: a DFT study

Berkehan Kura and Nurcan Ş. Tüzün*

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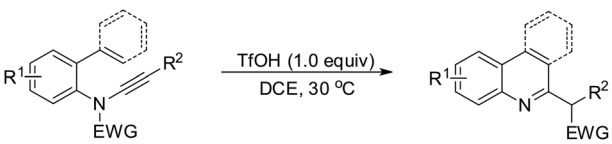

Metal-free quinoline synthesis *via* Brønsted acid-promoted cyclization of ene-ynamides

Yijie Wang, Yu Li, Lisha Zhang, Junbiao Chang* and Xiao-Na Wang*

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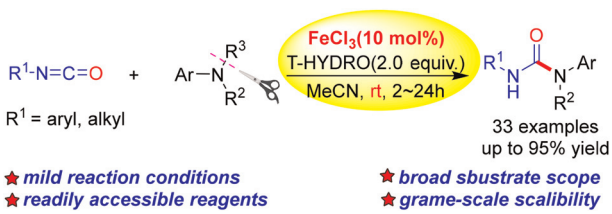

Iron-catalyzed oxidative cleavage of C–N bonds of tertiary amines: syntheses of unsymmetrical ureas from isocyanates

Bumairemu Aizezi, Bulunuer Yusan, Pinchang Sun and Abudureheman Wusiman*

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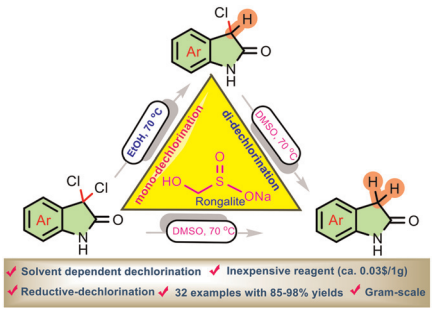
Rongalite as a mild reductant for solvent-assisted dechlorination of 3,3-dichlorooxindoles to 3-chloro-2-oxindoles and 2-oxindoles

Jalagam Swathi, Hari Prasad Kokatla,* Sivaparwathi Golla and Nagaraju Naddi



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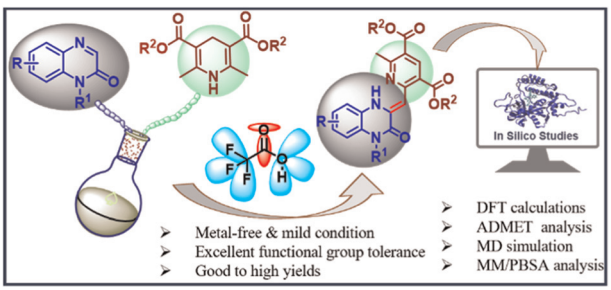
C(3)–H alkenylation of quinoxalin-2(1*H*)-ones with Hantzsch esters and *in silico* studies

Saurabh Kumar, Amit Kumar Pathak, Uma Devi Newar, Abhimanyu Nayak, Monjuri Bora, Hrishikesh Sarmah, Subrata Ghosh* and Ram Awatar Maurya*



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