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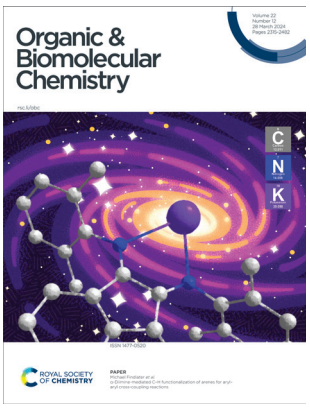

Cover
See Michael Findlater *et al.*, pp. 2389–2394.

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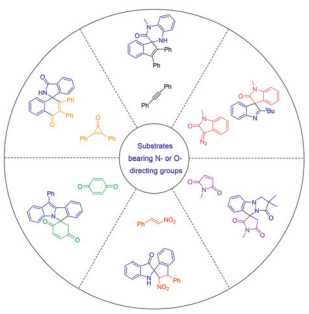
REVIEWS

2324

C–H activation-initiated spiroannulation reactions and their applications in the synthesis of spirocyclic compounds

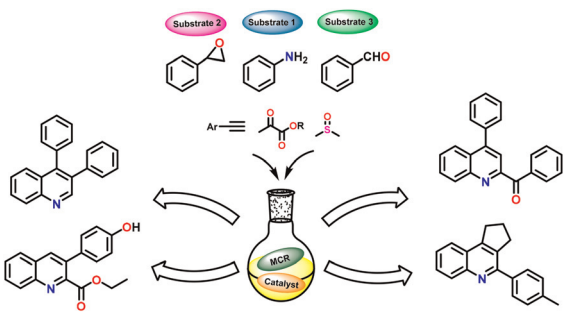
Qianting Zhou, Bin Li, Xinying Zhang* and Xuesen Fan*



2339

Recent advancement in the synthesis of quinoline derivatives *via* multicomponent reactions

Arnab Mandal and Abu Taleb Khan*



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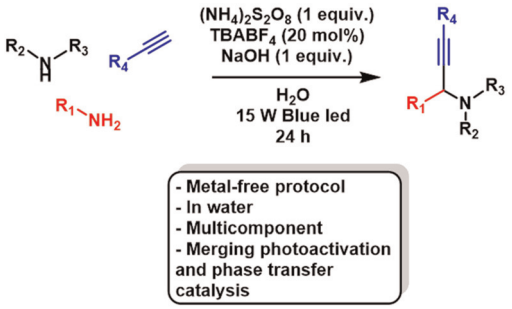
COMMUNICATIONS

2359

Metal-free synthesis of propargylamines *via* light-mediated persulfate activation and phase-transfer catalysis

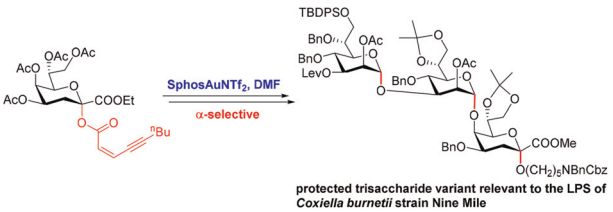
Cesar A. D. Zaragoza, Gabriel S. G. Peagno, Ana J. A. Minguine and Airton G. Salles, Jr*



2365

Additive-assisted synthesis of α-Kdo glycosides with peracetylated glycosyl ynenoate as a donor

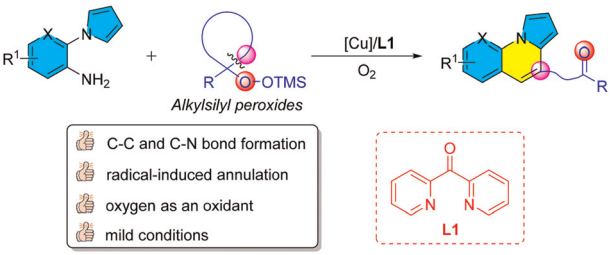
He Miao, Siqian Lu, Hongyu Chen, Jintao Shang, Jibin Zheng and You Yang*



2370

Copper-catalyzed oxidative cyclization of 2-(1*H*-pyrrol-1-yl)aniline and alkylsilyl peroxides: a route to pyrrolo[1,2-*a*]quinoxalines

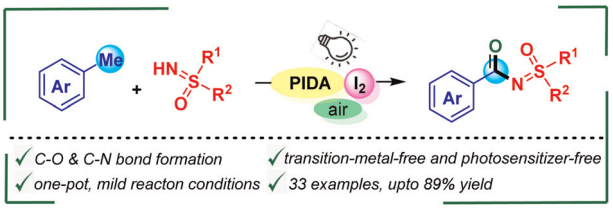
Zhenyu An, Man Miao, Fengkai Sun, Xiao-Bing Lan, Jian-Qiang Yu, Xiaoli Guo* and Jian Zhang*



2375

PIDA/I_2-mediated photo-induced aerobic *N*-acylation of sulfoximines with methylarenes

Nikita Chakraborty, Kamal K. Rajbongshi, Amisha Gondaliya and Bhisma K. Patel*



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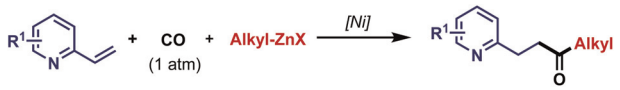
2380



Nickel-catalyzed acylation of vinylpyridine with alkylzincs under 1 atm CO

Wenyi Huang, Chenglong Wang, Yetong Zhang, Jingping Qu and Yifeng Chen*

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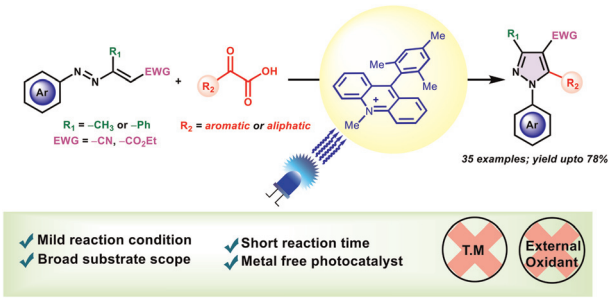

Visible light-induced organo-photocatalyzed route to synthesize substituted pyrazoles

Koustav Pal, Vinjamuri Srinivasu, Sourabh Biswas and Devarajulu Sureshkumar*

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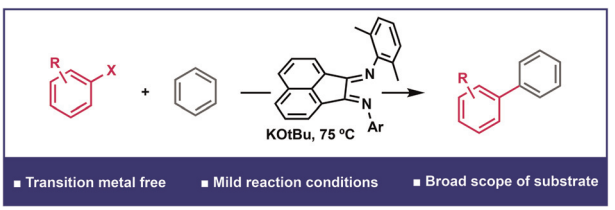

α-Diimine-mediated C–H functionalization of arenes for aryl–aryl cross-coupling reactions

Kotono Babaguchi, Deepika Bedi, Miguel A. Chacon-Teran and Michael Findlater*

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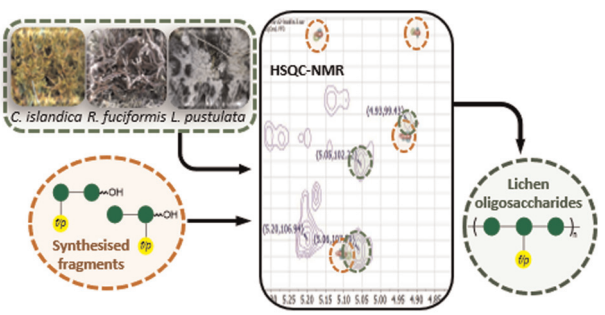

Synthesis of galactomannan fragments to help NMR assignment of polysaccharides extracted from lichens

Louis-Philippe David, Solenn Ferron, Bénédicte Favreau, Oznur Yeni, Simon Ollivier, David Ropartz, Isabelle Compagnon, Vincent Ferrières,* Françoise Le Dévéhat* and Laurent Legentil*

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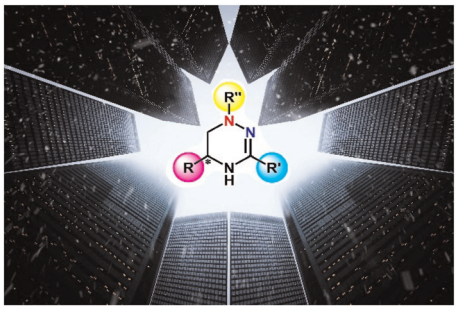
A new synthetic route towards multifunctionalized cyclic amidrazones for feeding chemical space

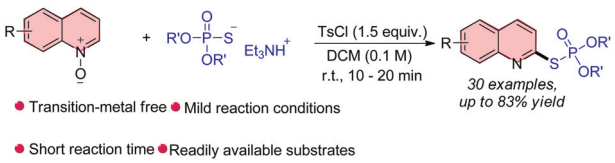
Johann Leblanc, Margaux Boutin, Clara Vega, Monique Mathé-Allainmat, Sandrine Grosse, Jérôme Guillemont, Jacques Lebreton and Arnaud Tessier*



2409

TsCl promoted deoxygenative phosphorothiolation of quinoline *N*-oxides towards *S*-quinolyl phosphorothioates

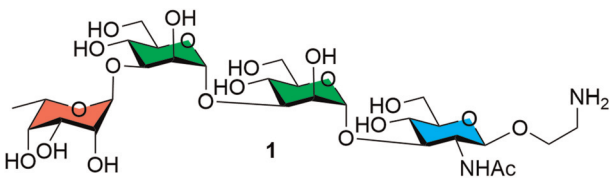
Li-Yao Wu, Tian Huang, Zhong-Ying Tian, Xiang-Qin Xu, Sha Peng* and Long-Yong Xie*



2414

Chemical synthesis of 6-deoxy-D-talose containing a tetrasaccharide repeating unit of the O-specific polysaccharide from *Enterobacter cloacae* G3422 in the form of its 2-aminoethyl glycoside

Subrata Das, Sanajit Maiti and Balaram Mukhopadhyay*



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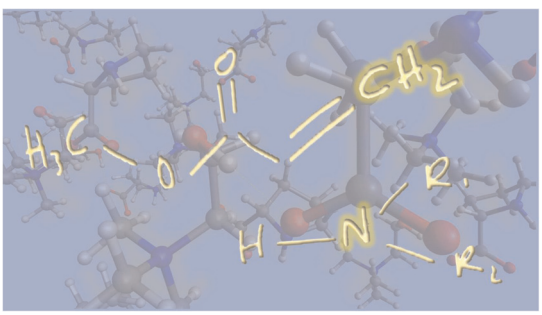
Reinvigorating aza-Michael reactions under ionic liquid catalysis: a greener approach

Silvia Izquierdo,* Pedro Cintas, Carlos J. Durán-Valle, Juan García de la Concepción and Ignacio M. López-Coca*



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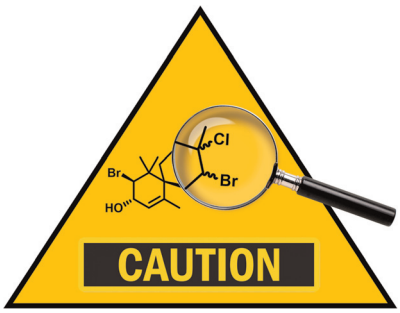

Study of heavy atom influence on poly-halogenated compounds using DP4/MM-DP4+/DP4+: insights and trends

Lucas Passaglia, María M. Zanardi and Ariel M. Sarotti*

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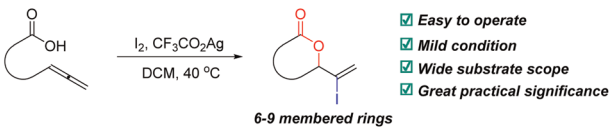

I_2/CF_3CO_2Ag-mediated iodolactonization of various allenoic acids to access versatile 6- to 9-membered ring vinylic iodolactones

Xiaobo Bao, Guoli Wang, Xu Dong, Mengxiao Zhu, Lili Yang, Junjie Zhu, Qingyuan Shi, Hongzhen Zhang and Dongyin Chen*

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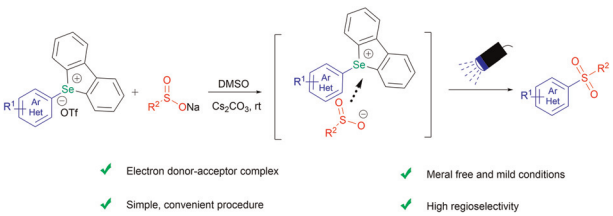

A visible-light-catalyzed sulfonylation reaction of an aryl selenonium salt *via* an electron donor–acceptor complex

Yuqing Wang, Liang Zhao, Xinyu Hao, Kun Jin, Rong Zhang, Chunying Duan and Yaming Li*

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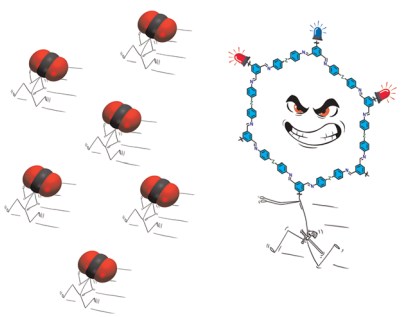

POPs to COFs by post-modification: CO_2 chemisorption and dissolution

Ayham A. Aladwan, Abdussalam K. Qaroush,* Ala'a F. Eftaiha, Suhad B. Hammad, Feda M. Al-Qaisi, Khaleel I. Assaf and Timo Repo

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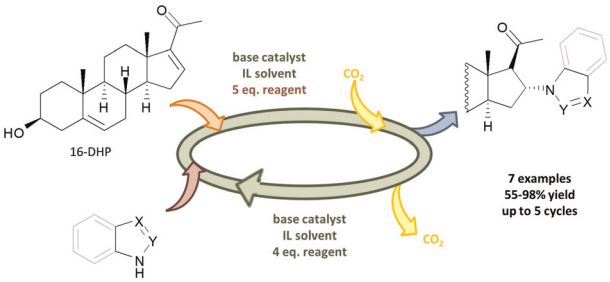
Catalyst- and excess reagent recycling in aza-Michael additions

Lilla Maksó, Boglárka Szele, Dávid Ispán, Ágnes Gömöry, Sándor Mahó and Rita Skoda-Földes*



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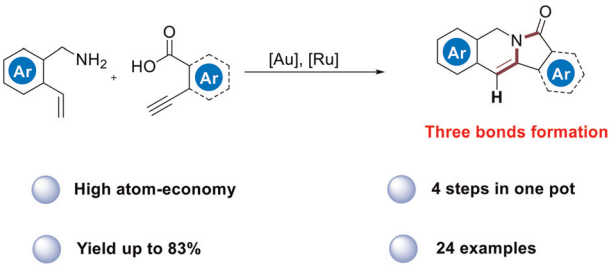
Construction of indolizine scaffolds from α,ω-alkynoic acids and α,ω-vinylamines *via* sequential-relay catalysis in "one pot"

Jiami Liu, Yi Lu, Lingxuan Zhu and Xinsheng Lei*