

Organic & Biomolecular Chemistry

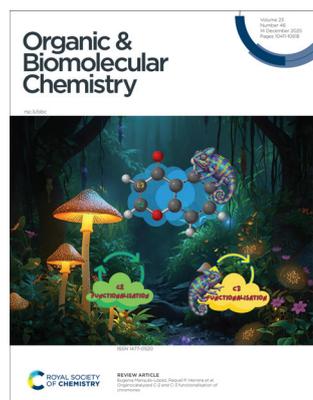
An international journal of synthetic, physical and biomolecular organic chemistry

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IN THIS ISSUE

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Cover

See Eugenia Marqués-López,
Raquel P. Herrera *et al.*,
pp. 10420–10436.

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23, 10420.

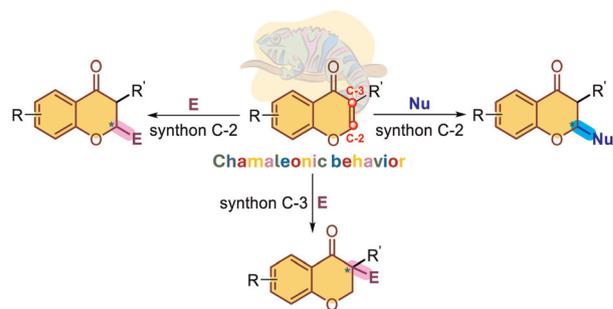
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REVIEWS

10420

Organocatalysed C-2 and C-3 functionalisation of chromones

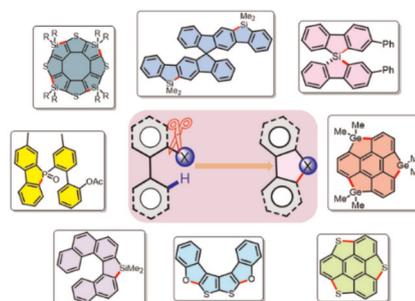
Juan Carlos Morales-Solís, Mario Ordoñez,
Eugenia Marqués-López* and Raquel P. Herrera*



10437

Construction of polycyclic heteroaromatics via metal-catalysed intramolecular X–CH activation

Vinutha K. Venkatarreddy, Atul B. Nipate,
M. Rajeswara Rao* and Ritambhara Sharma*



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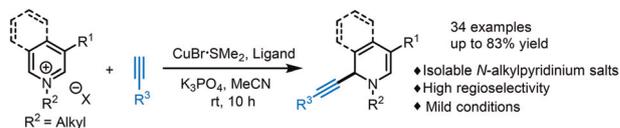
Fundamental questions
Elemental answers

COMMUNICATIONS

10452

Regioselective copper-catalyzed dearomative alkynylation of *N*-alkyl nicotinate and isoquinoline salts

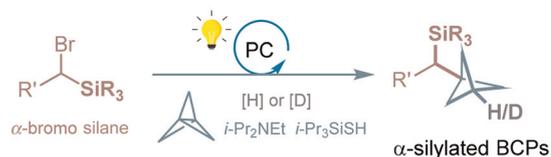
Jun-Ju Mai, Fei Li, Xiasen Dong, Mingyuan Shi, Xiao-Jing Li, Hua-Dong Xu, Mei-Hua Shen* and Chi-Fan Zhu*



10458

Visible light photocatalytic reductive hydroalkylation and deuterium alkylation to access α -silylated bicyclo[1.1.1]pentanes

Changlong Zheng, Xin Liu, Bin Hu, Ting Lin, Shipeng Luo* and Chenguang Liu*

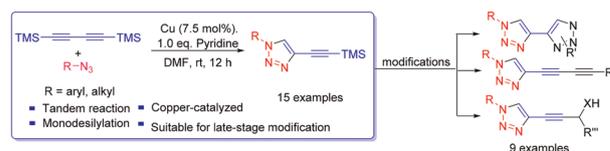


The assembly of two pharmacophoric elements: BCP and silane

10463

Tandem, copper-catalyzed monodesilylation/CuAAC reactions of 1,4-bis(trimethylsilyl)-1,3-butadiyne and azides for the preparation of 4-(TMS-ethynyl)-1,2,3-triazoles

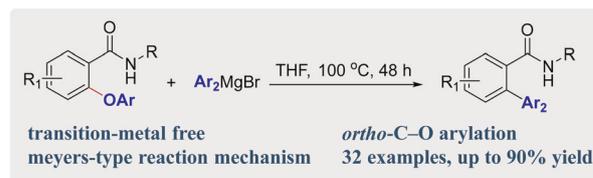
Yibin Wang, Liyi Feng, Xinying Luo, Liuran Li, Luyong Wu* and Yuxue Chen



10469

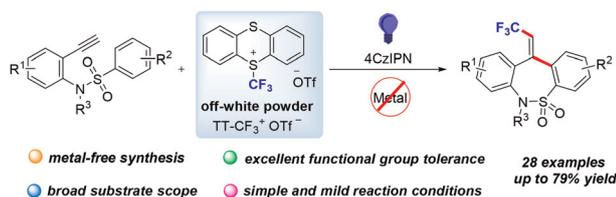
ortho-C–O arylation of aromatic amides with Grignard reagents through the Meyers reaction

Ya Wu, Bohao Wang, Yiran Shi, Pei Liu* and Jie Kong*



COMMUNICATIONS

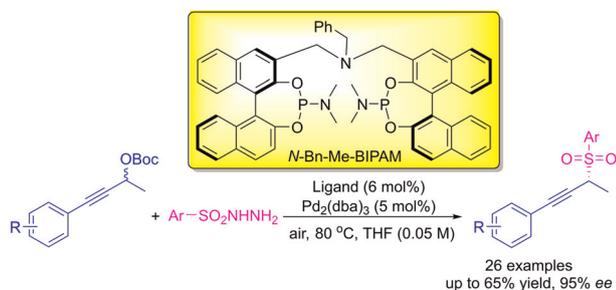
10474



Visible-light-induced radical trifluoromethylation/cyclization of alkynes: synthesis of CF₃-containing dioxodibenzothiazepines

Xiaoyu Chen,* Yang Geng, Pan Liu, Zhiyong Wu, Dapeng Zou, Yangjie Wu and Yusheng Wu*

10479

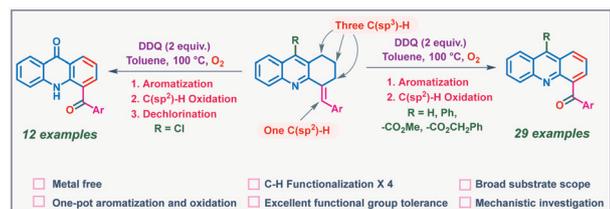


Palladium-catalyzed asymmetric propargylic sulfonylation of propargyl esters with sulfonyl hydrazides

Zhi-Xiong Ou, Bu-Hong Zhang, Jia-Xin Song, Li-Bo Li and Xing-Wang Wang*

PAPERS

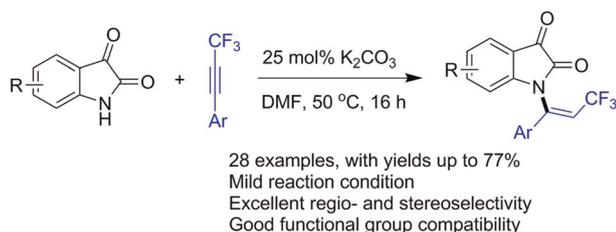
10488



DDQ promoted metal-free oxidative cascade synthesis of acridinyl ketones and 4-benzoylacridinones from C4-functionalized 1,2,3,4-tetrahydroacridines

Thangellapally Shirisha, Ankita Parida, Subir Majhi, Sagar Ghosh and Dhurke Kashinath*

10496



Base-catalyzed regio- and stereoselective addition of isatins to trifluoromethylated alkynes for preparation of N-alkenylisatins

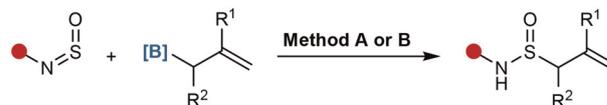
Minglan Ma, Guangyuan Liu, Fangyu Meng, Qiang Li* and Yirong Zhou*



10502

Synthesis of *S*-allylic sulfinamides by the catalytic nucleophilic allylation of *N*-sulfinylamines

Shamim Fanai-Danesh, Daniel F. Moseley, Kevin M. Foote, Kieran D. Jones, Stephen P. Argent and Hon Wai Lam*



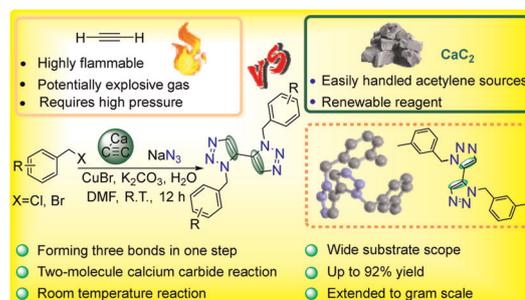
Method A: [B] = B(pin), InI (cat.), MeOH

Method B: [B] = BF₃K, *N,N'*-dimethyl(thio)urea (cat.)

10508

Unexpected synthesis of 4,4'-bis(1,2,3-triazole)s from calcium carbide as an acetylene source *via* a click reaction

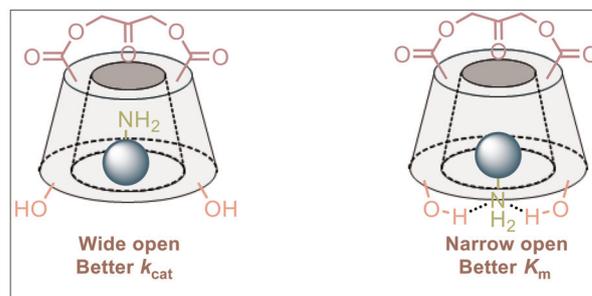
Rugang Fu,* Cheng Cao, Junke Wang, Fei Wen, Dong Qiu and Yingxiao Zong



10514

Tuning artificial oxidase catalysis by cavity modification

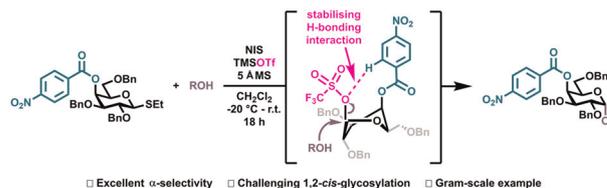
Mingzhe Ren and Mikael Bols*



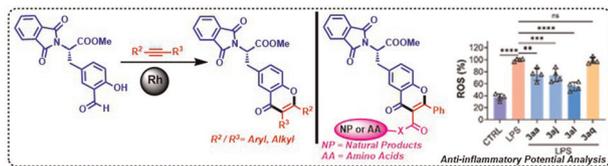
10520

H-bonding, not remote participation, explains the influence of remote substituents on stereoselectivity in α -galactosylations

Kate E. Donaghy, Dionissia A. Pepe, Joseph J. Ruddy and Eoghan M. McGarrigle*



10533



A rhodium-catalyzed [4 + 2] annulation strategy to synthesize pyranone-mounted tyrosines with anti-neuroinflammatory activity

Narendra Dinkar Kharat, Sushma Naharwal, Sabyasachi Mandal, Mukul Yadav, Thimmaiah Govindaraju, Kiran Bajaj* and Rajeev Sakhuja*

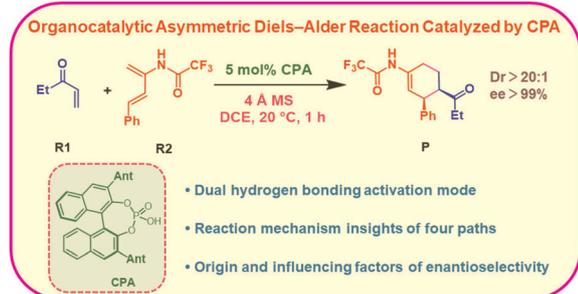
10544



Visible-light-promoted hydroxysulfenylation of alkenes for the synthesis of β -hydroxysulfides

Rekha Bai, Yi-Xuan Jian, Shih-Jie Chen, Indrajit Karmakar and Chin-Fa Lee*

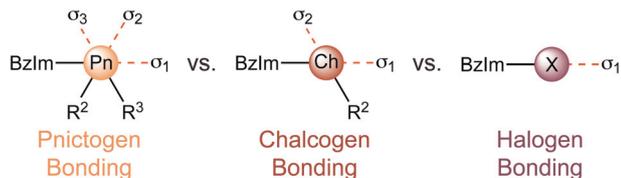
10561



Mechanism and origin of enantioselectivity for Diels-Alder reaction catalyzed by chiral phosphoric acids in synthesising 1-trifluoroacetamido cyclohex-1-ene

Yu-Hao Qiao, Xiao-Heng Wang, Dong Xie, Xin-Ting He, Hao Qiu, Zhe-Rui Zhang, Pan-Pan Zhou* and Zhaoyong Yang*

10574



A computational analysis of substituent effects in pnictogen-, chalcogen-, and halogen-bond donors

Thiemo Arndt, Monique Partzsch, Tobias Ruffer and Martin Breugst*

substituent effects • fluoride binding • predictors • catalysis

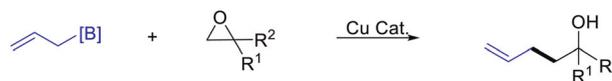


PAPERS

10586

Copper-catalyzed cross-coupling reaction of epoxides with allyl boron ester

Xiao-Yu Lu,* Jun-Long Zhang, Hao-Yu Dong, Tng-Ting Liu, Xin-Ru Hu, Jin-Tao Tao, Wen-Jing Li and Hui-Tao Zhou

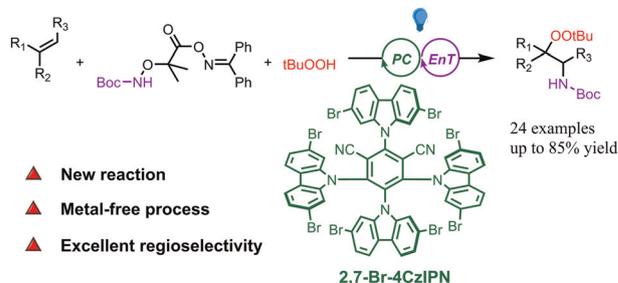


- Broad functional group compatibility
- Monosubstituted and 1,1-disubstituted epoxides

10592

Visible-light-induced regioselective amidoperoxidation of alkenes

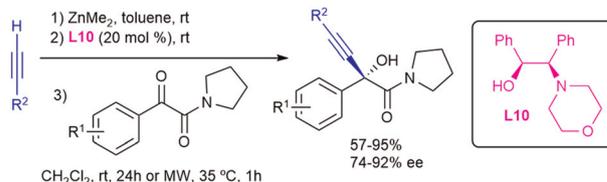
Zheng-Yi Zhao, Cai Gao, Jia-Ao Lu, Zhen-Qiang Zhang* and Zhuang-Ping Zhan*



10596

Synthesis of chiral α -alkynyl- α -hydroxyamides by enantioselective alkylation of α -keto amides

Elena Prieto, Celia Andrés* and Javier Nieto*



10606

FeCl₃ catalyzed synthesis of fluorene-C-9-linked furan hybrids from biphenyl-linked conjugated ene-yne-ketones

Asadujjaman Nur, Abhishek Kar, Kush Mandal, Raj Kamal Sahoo and Umasish Jana*

