

Visible-Light-Induced Photocatalytic C3-Trifluoroethylation of Quinoxalin-2(1H)-ones

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<https://doi.org/10.1002/ejoc.202300129>



44 examples
yield up to 80%

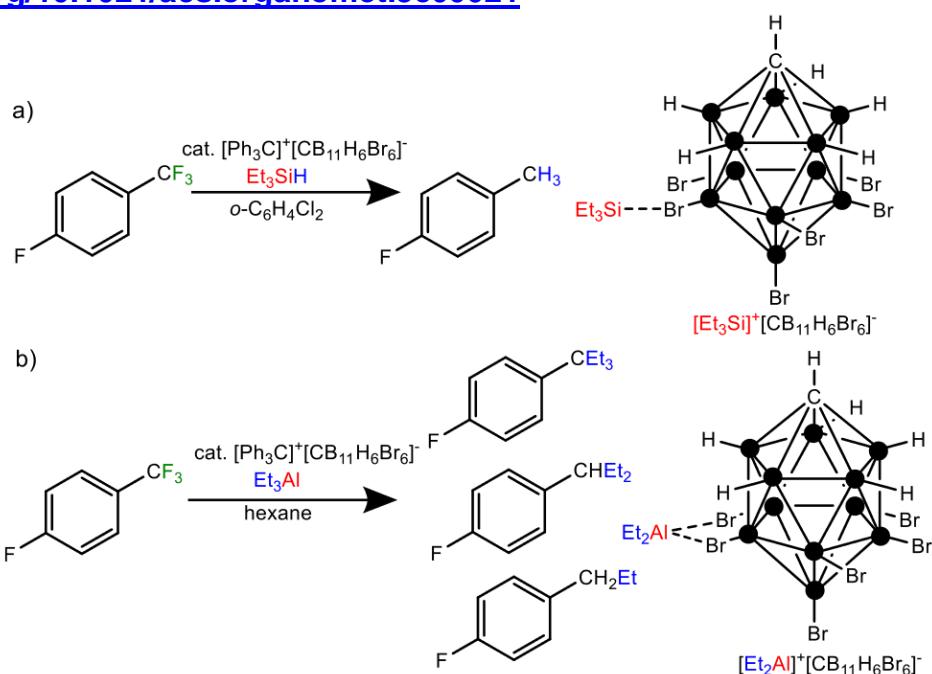
Organometallics

Mechanisms of the Ruthenium Sulfur Complex in Generation and Stabilization of Silicon and Aluminum Electrophiles for C(sp³)–F Bond Activation

Thanapat Worakul and Panida Surawatanawong

Organometallics, 2023, 42 (10), 896-907

<https://doi.org/10.1021/acs.organomet.3c00021>

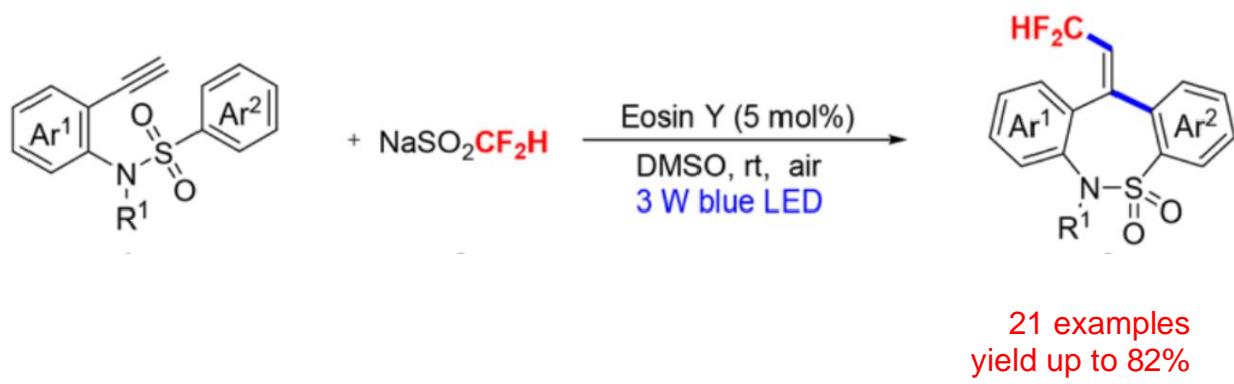


Organic Chemistry Frontiers

Photochemical difluoromethylation of alkynes: synthesis of CF₂H-substituted seven-membered dioxodibenzothiazepines and dibenzazepines

Xiaoyu Chen, Yang Geng, Bo Liu, Yu Zhu, a Dapeng Zou, Yangjie Wu and Yusheng Wu

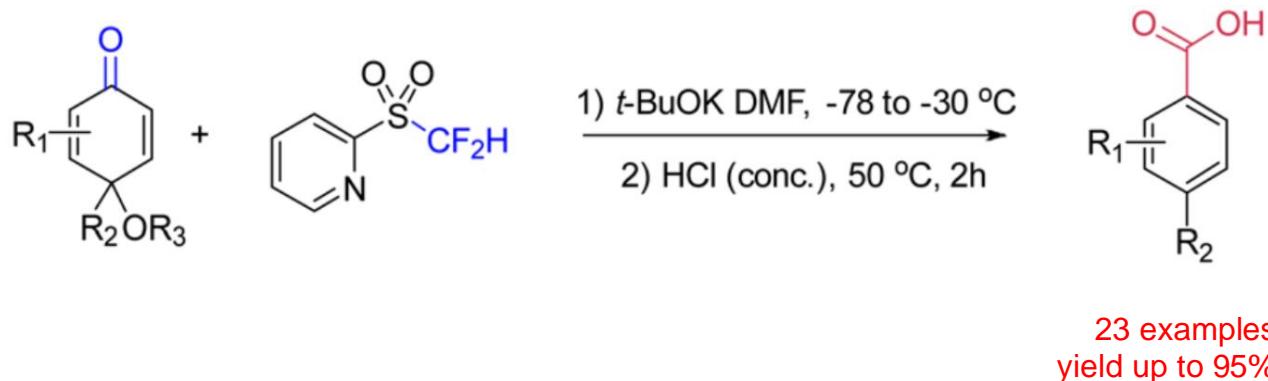
Org. Chem. Front., 2023, 10, 1968
<https://doi.org/10.1039/d3qo00020f>



Preparation of benzoyl fluorides and benzoic acids from phenols *via* a dearomatization–rearomatization strategy

Meixian Yang, Xinyue Huang, Wenjun Miao, Lan Yi, Jiajing Cai, Zhenghuan Zhao, Jia He and Dachuan Qiu

Org. Chem. Front., 2023, 10, 1975
<https://doi.org/10.1039/d3qo00183k>



TBHP-promoted multicomponent reaction to access 2-aminobenzoxazinones using sodium chlorodifluoroacetate as the C1 synthon

Huijuan Li, Yongfeng Wang, Cheng Xu, Jingwen Zou, Yaxuan Wu and Guodong Yin

Org. Chem. Front., 2023, 10, 1988

<https://doi.org/10.1039/d3qo00157a>

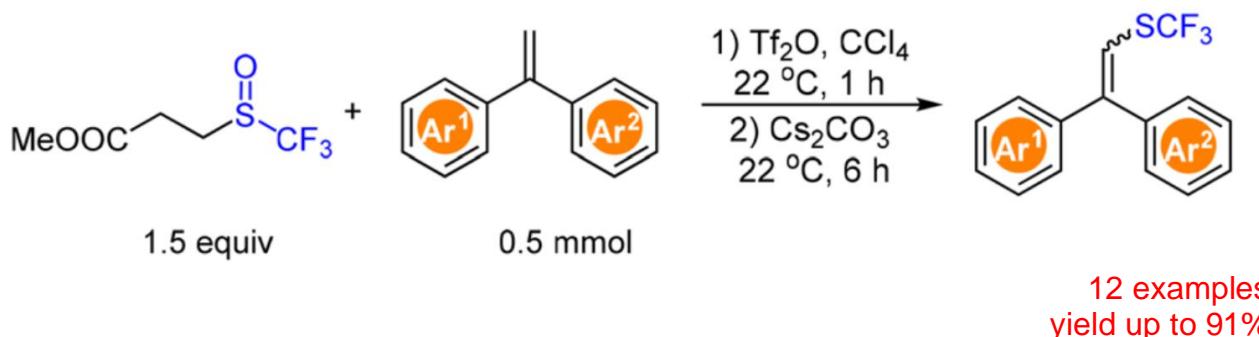


β-Trifluorosulfinylesters: tuneable reagents for switchable trifluoromethylsulfinylation and C–H trifluoromethylthiolation

Wen Liu, Yan Zhang, Shuya Xing, Huilin Lan, Xinrui Chen, Ying Bai and Xinxin Shao

Org. Chem. Front., 2023, 10, 2186

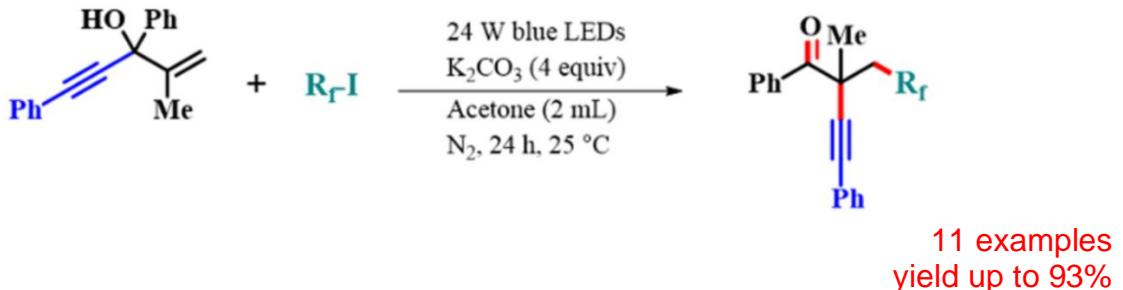
<https://doi.org/10.1039/d3qo00013c>



Photochemical alkynylperfluoroalkylation of unactive alkenes mediated by halogen-bonded charge-transfer complexes

Huangbin Sun, Chang Huang, Xuetong Bin, Fuzhi Cui and Guofang Jiang

Org. Chem. Front., 2023, 10, 2332
<https://doi.org/10.1039/d3qo00304c>



Tetrahedron Letters

Difluorocarbene enabled ester insertion/1,4-acyl rearrangement of 2-acetoxy pyridines: Modular access to gem-difluoromethyleneated 2-pyridones

Shi-Wei Li, Gang Wang, Zhi-Shi Ye

Tetrahedron Letters, 2023, 119, 154413
<https://doi.org/10.1016/j.tetlet.2023.154413>

