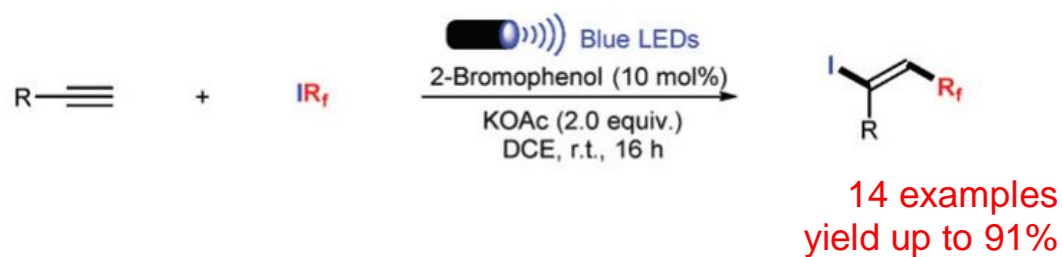
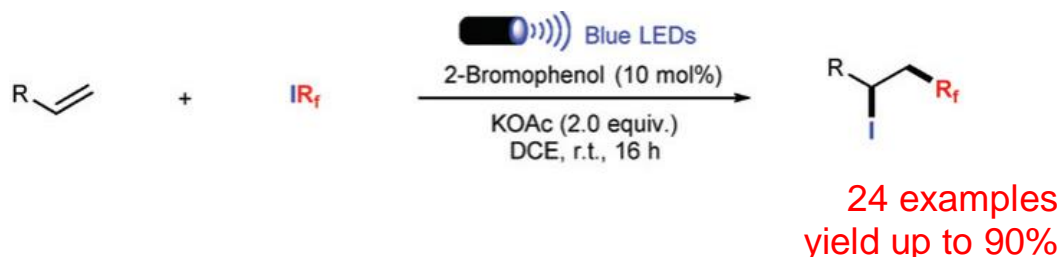


Chemical Communications

Visible light promoted fluoroalkylation of alkenes and alkynes using 2-bromophenol as a catalyst

Erlin Zhu, Xiao-Xiao Liu, An-Jun Wang, Ting Mao, Liang Zhao, Xingang Zhang and Chun-Yang He

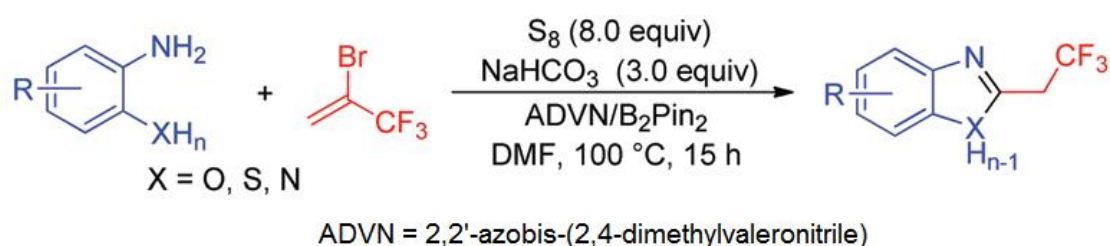
Chem. Commun., 2019, 55, 12259-12262



Elemental sulfur-promoted one-pot synthesis of 2-(2,2,2-trifluoroethyl)benzoxazoles and their derivatives

Zhengyu Li, Jingnan Dong, Junwen Wang, Ding-Yah Yang and Zhiqiang Weng

Chem. Commun., 2019, 55, 13132-13135

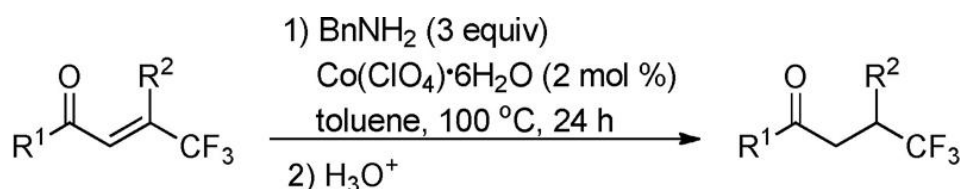


33 examples
yield up to 87%

Benzylamine as Hydrogen Transfer Agent: Cobalt-Catalyzed Chemoselective C=C Bond Reduction of β -Trifluoromethylated α,β -Unsaturated Ketones via 1,5-Hydrogen Transfer

Xuwei Li, Xiaoting Wu, Liang Tang, Fang Xie, and Wanbin Zhang

Chem. Asian J., 2019, 14, 3835-3839



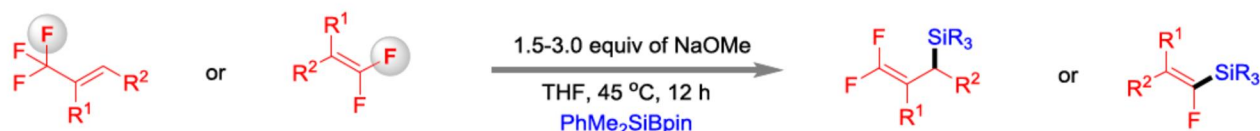
19 examples
yield up to 92%

Chinese Journal of Chemistry

Transition-Metal-Free Defluorosilylation of Fluoroalkenes with Silyboronates

Pan Gao, Guoqiang Wang, Longlong Xi, Minyan Wang, Shuhua Li, and Zhuangzhi Shi

Chin. J. Chem., 2019, 37, 1009-1014

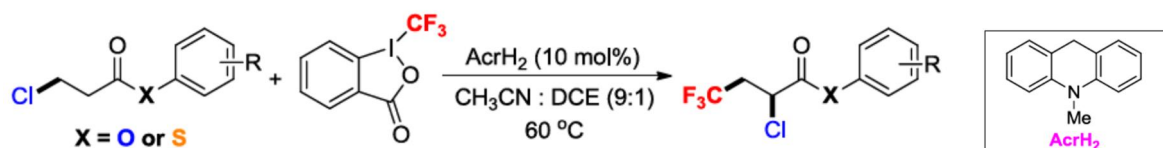


36 examples
yield up to 95%

Efficient AcrH_2 Catalyzed β -Trifluoromethylation of Carbonyl Compounds by Atom Transfer Radical Addition Reactions

Zi-Peng Rao, Yu-Yang Sun, Xin-Feng Zhou, Qiang Xie, Hui-Xia Zhu, Jian-Jun Dai, Jun Xu, and Hua-Jian Xu

Chin. J. Chem., 2019, 37, 1025-1030

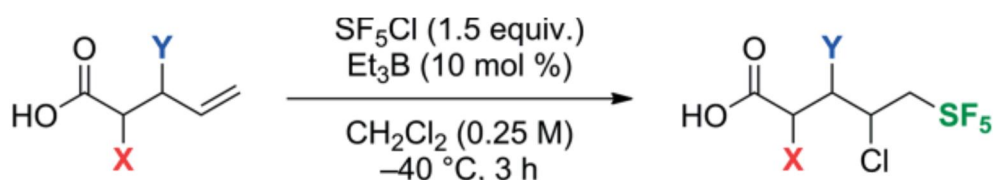


13 examples
yield up to 90%

Synthesis of 5-[(Pentafluorosulfanyl)methyl]- γ -butyrolactones via a Silver-Promoted Intramolecular Cyclization Reaction

Majdouline Roudias, Audrey Gilbert, and Jean-François Paquin

Eur.J. Org.Chem., 2019, 6655-6665

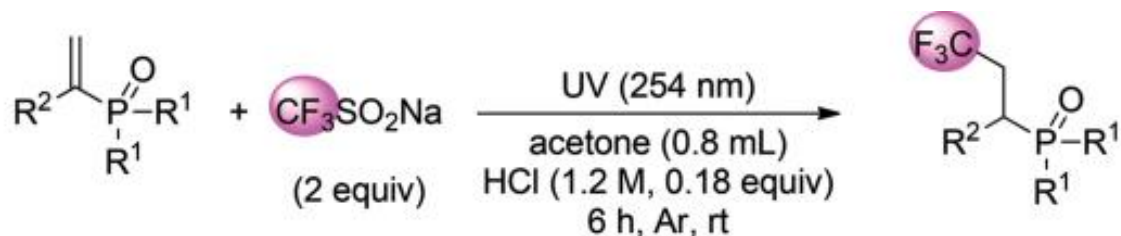


14 examples
yield up to 98%

The Photoinduced Metal-Free Hydrotrifluoromethylation of Vinyl Phosphonates or Phosphine Oxides

Qiuli Yao, Linjing Ren, Dan Xiang, Kexin Li, Boyu Yan, Maogang Ran, Jiixin He, and Liang Zhao

Eur.J. Org.Chem., 2019, 7475-7482

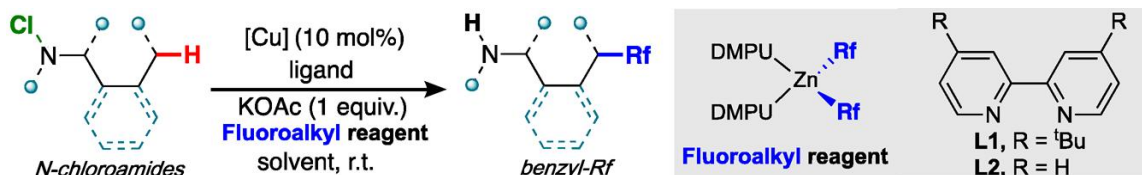


11 examples
yield up to 90%

Copper-Catalyzed, Chloroamide-Directed Benzylic C-H Difluoromethylation

Xiaojun Zeng, Wenhao Yan, Matthew Paeth, Samson B. Zacate, Pei-Hsun Hong, Yufei Wang, Dongqi Yang, Kundi Yang, Tao Yan, Chang Song, Zhi Cao, Mu-Jeng Cheng, and Wei Liu

J. Am. Chem. Soc., 2019, 141, 19941-19949

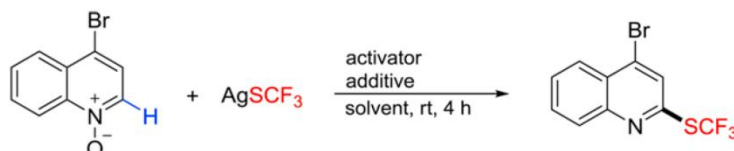


65 examples
yield up to 91%

Regioselective deoxygenative C-H trifluoromethylthiolation of heteroaryl N-oxides with AgSCF₃

Shi-Bo Zhang, Xiu-Hua Xu, Feng-Ling Qing

J. Fluor. Chem., 2019, 227, 109367

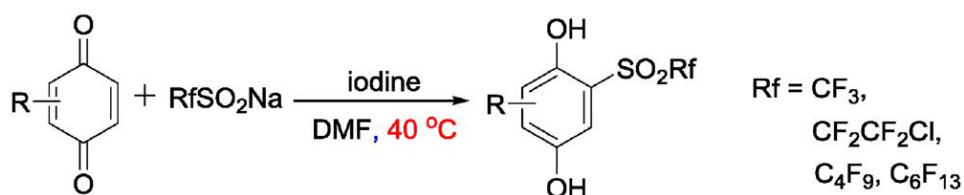


19 examples
yield up to 85%

Triflylation of 1,4-Benzoquinones with sodium trifluoromethanesulfinate

Sheng-Li Yue, Min Jiang, Hui Li, Jin-Tao Liu

J. Fluor. Chem., 2019, 228, 109410



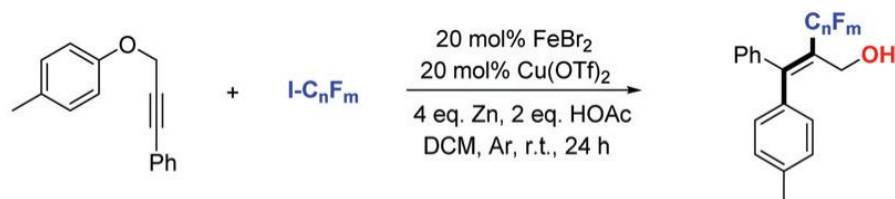
11 examples
yield up to 86%

Organic Chemistry Frontiers

Synthesis of tri-substituted allyl alcohols via a copper/iron co-catalyzed cascade perfluoroalkylation/rearrangement of aryl propynyl ethers

Wei He, Jipan Yu, Dawei Wang, Guoxia Rana and Xiao-Feng Xia

Org. Chem. Front., 2019, 6, 3575-3579

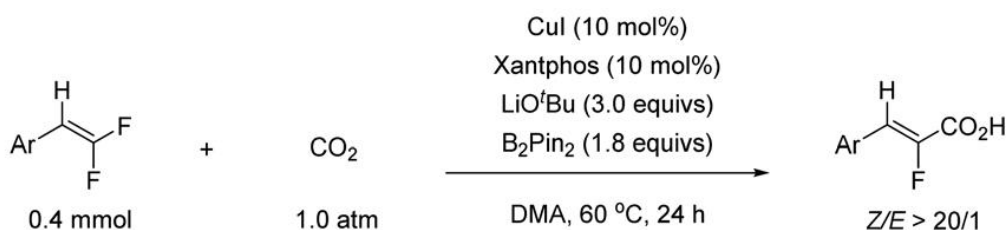


5 examples
yield up to 64%

Stereoselective defluorinative carboxylation of gem-difluoroalkenes with carbon dioxide

Shi-Liang Xie, Xiao-Yuan Cui, Xiao-Tong Gao, Feng Zhou, Hai-Hong Wu and Jian Zhou

Org. Chem. Front., 2019, 6, 3678-3682



20 examples
yield up to 97%

Synthesis of α -trifluoromethyl ethanone oximes via the three-component reaction of aryl-substituted ethylenes, tert-butyl nitrite, and the Langlois reagent

Kui Lu, Xianfu Wei, Quan Li, Yuxuan Li, Liangshuo Ji, Erbing Hua, Yujie Dai and Xia Zhao

Org. Chem. Front., 2019, 6, 3766-3770



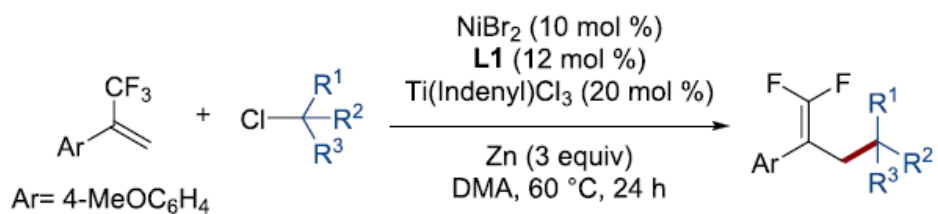
16 examples
yield up to 68%

Organic Letters

Reductive Allylic Defluorinative Cross-Coupling Enabled by Ni/Ti Cooperative Catalysis

Zhiyang Lin, Yun Lan, and Chuan Wang

Org. Lett., 2019, 21, 8316-8322



15 examples
yield up to 95%