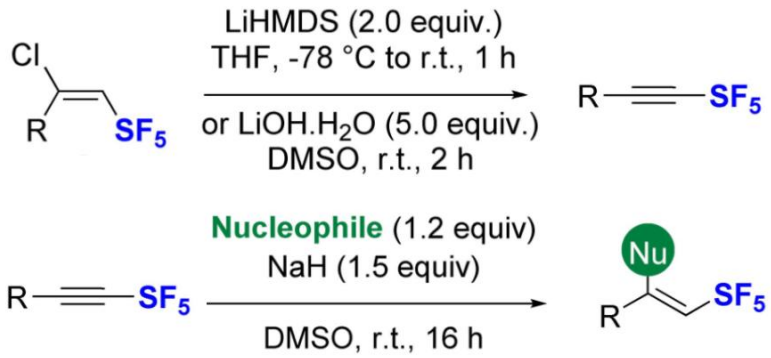
Angewandte Chemie International Edition

Regio- and Stereoselective Hydroelementation of SF_5-Alkynes and Further Functionalizations

Lucas Popek, Jorge Juan Cabrera-Trujillo, Vincent Debrauwer, Nicolas Blanchard, Karinne Miqueu, and Vincent Bize

Angew. Chem. Int. Ed. 2023, 62, e202200685
https://doi.org/10.1002/anie.202300685

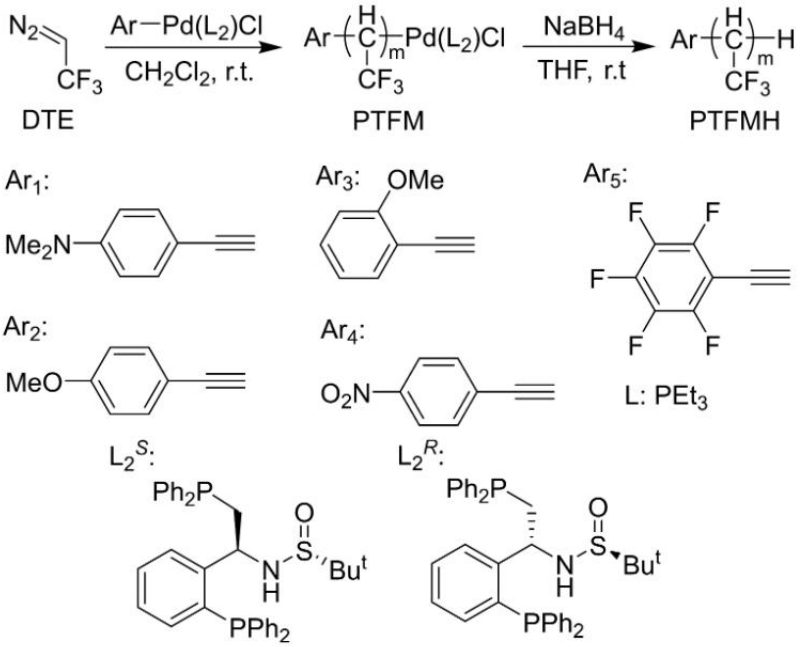


46 examples
yield up to 79%

Precise Synthesis of Optically Active and Thermo-degradable Poly(trifluoromethyl methylene) with Circularly Polarized Luminescence

Xun-Hui Xu, Shu-Ming Kang, Run-Tan Gao, Zheng Chen, Na Liu, and Zong-Quan Wu

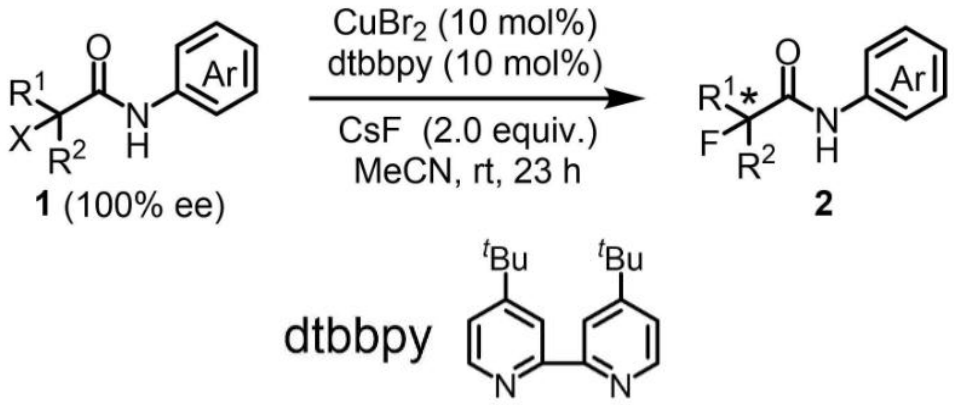
Angew. Chem. Int. Ed. 2023, 62, e202200882
https://doi.org/10.1002/anie.202300882



Interaction between Divalent Copper Fluoride and Carboxamide Group Enabling Stereoretentive Fluorination of Tertiary Alkyl Halides

Naoki Tsuchiya, Tetsuhiro Yamamoto, Hiroki Akagawa, and Takashi Nishikata

Angew. Chem. Int. Ed. 2023, 62, e202201343
https://doi.org/10.1002/anie.202301343

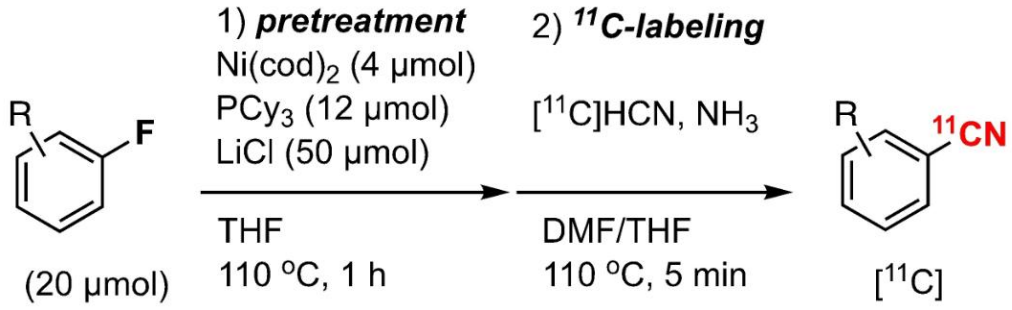


17 examples
yield up to 98%
es up to 99%

^{11}C-Cyanation of Aryl Fluorides via Nickel and Lithium Chloride-Mediated C-F Bond Activation

Zhouen Zhang, Takashi Niwa, Kenji Watanabe, and Takamitsu Hosoya

Angew. Chem. Int. Ed. 2023, 62, e202202956
https://doi.org/10.1002/anie.202302956

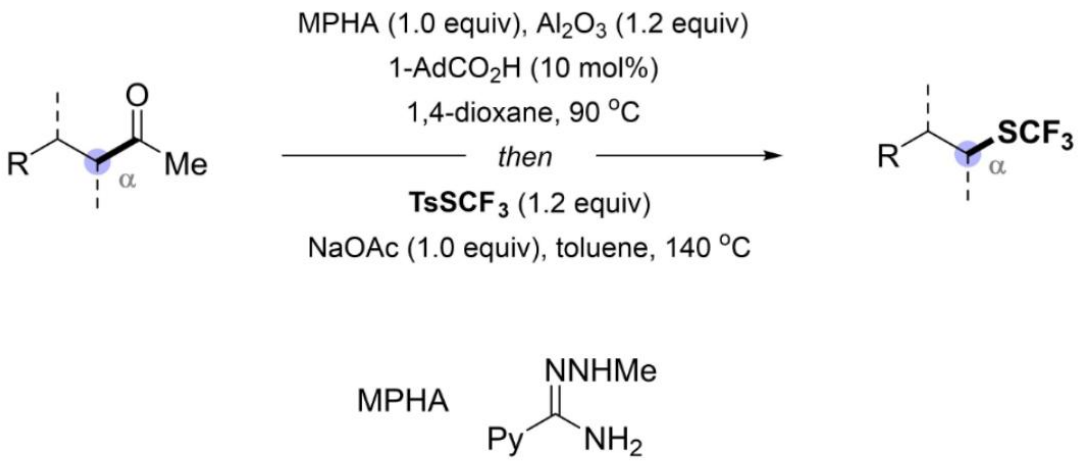


26 examples
yield up to 98%

Deacylative Thiolation by Redox-Neutral Aromatization-Driven C-C Fragmentation of Ketones

Xukai Zhou, Daniel Pyle, Zining Zhang, and Guangbin Dong

Angew. Chem. Int. Ed. 2023, 62, e202213691
https://doi.org/10.1002/anie.202313691

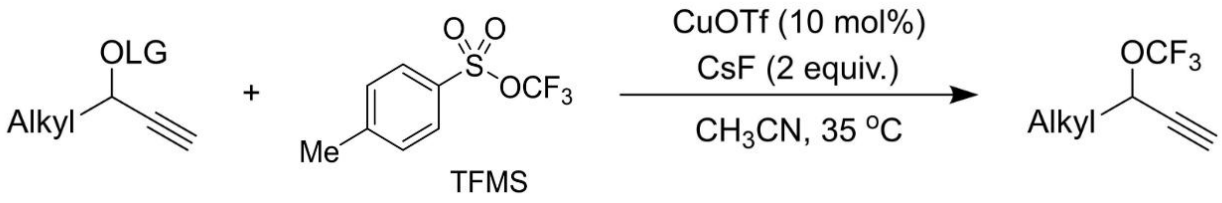


24 examples
yield up to 73%

Copper-Catalyzed Enantioselective Trifluoromethoxylation of Propargyl Sulfonates

Yangdong Hou, Zhang Zhang, Xinyu Sun, Zheng Yang, Yu-Xin Luan, and Pingping Tang

Angew. Chem. Int. Ed. 2023, 62, e202218919
https://doi.org/10.1002/anie.202218919



20 examples
yield up to 85%

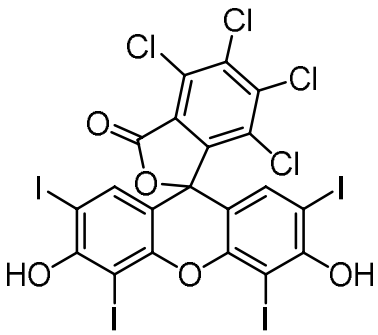
European Journal of Organic Chemistry

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

Jian Liu, Zhibin Huang, Cheng Wang, Zefeng Deng, Xu Xu, Runsheng Zeng, Yingsheng Zhao

Eur. J. Org. Chem. 2023, 26, e202300129
https://doi.org/10.1002/ejoc.202300129

Rose Bengal (RB) =



49 examples
yield up to 80%