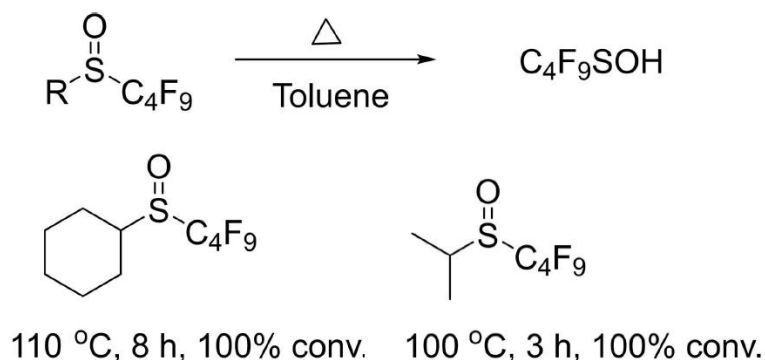


## European Journal of Organic Chemistry

### A New Approach for the Synthesis of Perfluoroalkanesulfenic Acids

Jia-Hong Xu, Min Jiang, Li-Ping Song, Jin-Tao Liu

Eur. J. Org. Chem., 2021, 12, 16076-16082



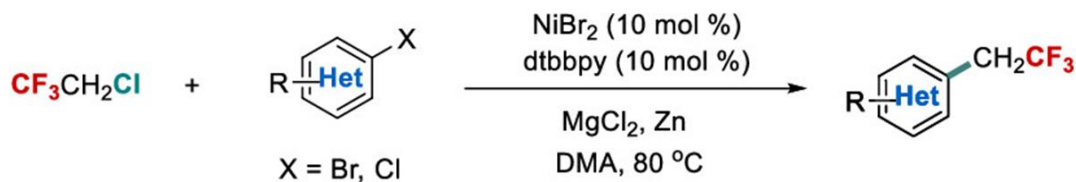
8 examples  
yield up to 88%

## Organic Letters

### Using Chlorotrifluoroethane for Trifluoroethylation of (Hetero)aryl Bromides and Chlorides via Nickel Catalysis

Xuefei Li, Xing Gao, Chun-Yang He, Xingang Zhang

Org. Lett., 2021, 23, 1400-1405

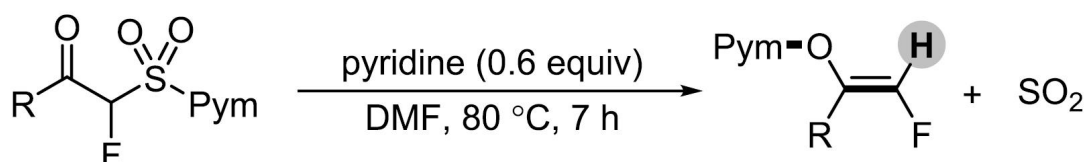


49 examples  
yield up to 94%

## High Chemo-/Stereoselectivity for Synthesis of Polysubstituted Monofluorinated Pyrimidyl Enol Ether Derivatives

Lei Kang, Fang Wang, Jinlong Zhang, Huameng Yang, Chungu Xia,  
Jinlong Qian, Gaoxi Jiang

Org. Lett., 2021, 23, 1669-1674

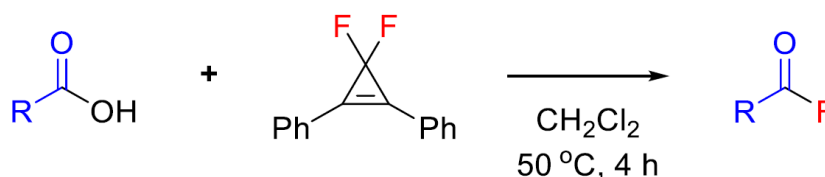


26 examples  
yield up to 99%

## Deoxyfluorination of Carboxylic Acids with CpFluor: Access to Acyl Fluorides and Amides

Xiu Wang, Fei Wang, Fengfeng Huang, Chuanfa Ni, Jinbo Hu

Org. Lett., 2021, 23, 1764-1768

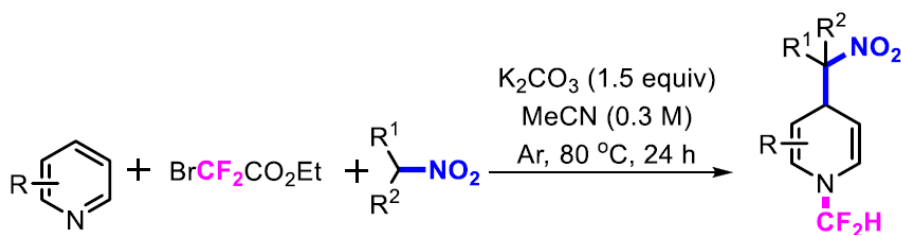


22 examples  
yield up to 86%

## Metal-Free Difunctionalization of Pyridines: Selective Construction of *N*-CF<sub>2</sub>H and *N*-CHO Dihydropyridines

Sen Zhou, Ze-Ying Sun, Kongying Zhu, Wentao Zhao,  
Xiangyang Tang, Minjie Guo, Guangwei Wang

Org. Lett., 2021, 23, 2205-2221



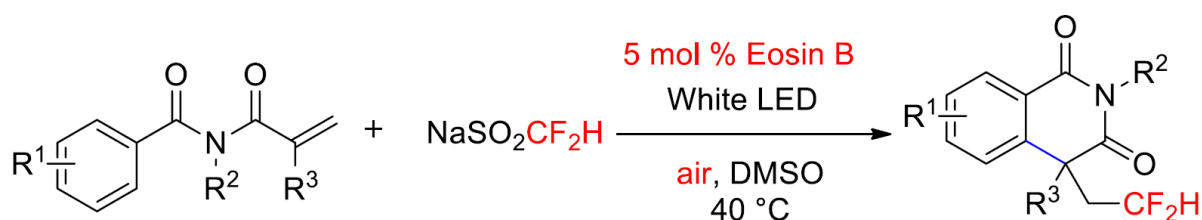
25 examples  
yield up to 81%

## Tetrahedron

### Synthesis of CF<sub>2</sub>H-containing isoquinoline-1,3-diones through metal-free, visible-light and air-promoted radical difluoromethylation/cyclization of N-benzamides

Jiaxuan Shao, Youjia Wang, Silu Chen, Shaowei Wang, Yanhui Wu, Xulian Li, Weihua Zhang, Chao Deng

Tetrahedron, 2021, 79, 131822



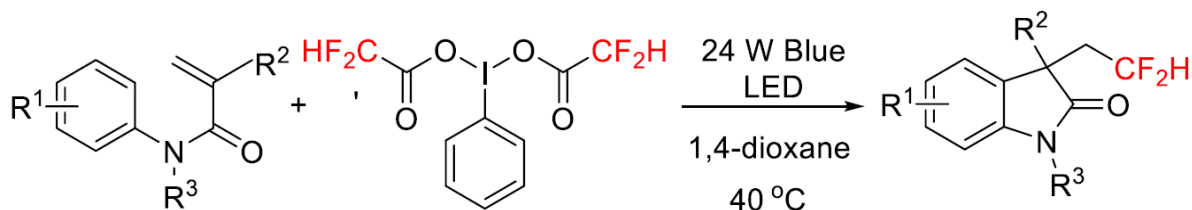
25 examples  
yield up to 95%

## Tetrahedron Letters

### Visible-light induced radical aryldifluoromethylation of N-arylacrylamides by [bis(difluoroacetoxy)iodo]benzene

Kui Lu, Lingyu Lei, Qijun Wei, Ting Zhou, Xiaodong Jia, Quan Li, Xia Zhao

Tetrahedron Letters, 2021, 67, 152864



25 examples  
yield up to 97%