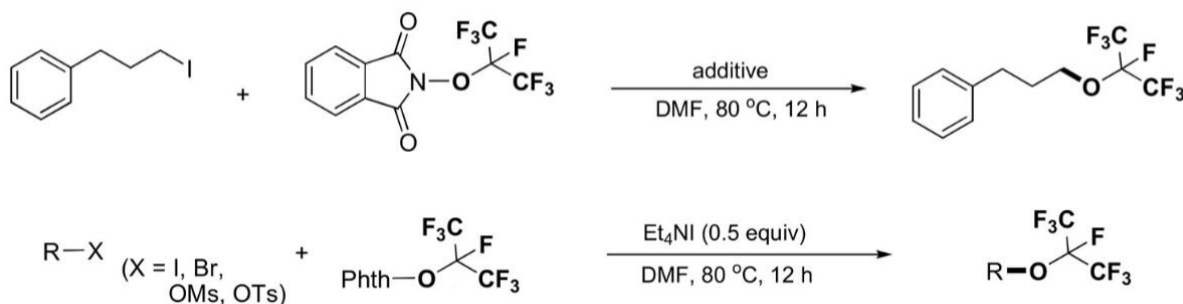


## Angewandte Chemie International Edition

### Nucleophilic and Radical Heptafluoroisopropoxylation with Redox-Active Reagents

Chao-Lai Tong, Dr. Xiu-Hua Xu, Prof. Dr. Feng-Ling Qing

Angew. Chem. Int. Ed. 2021, 60, 22915-22924

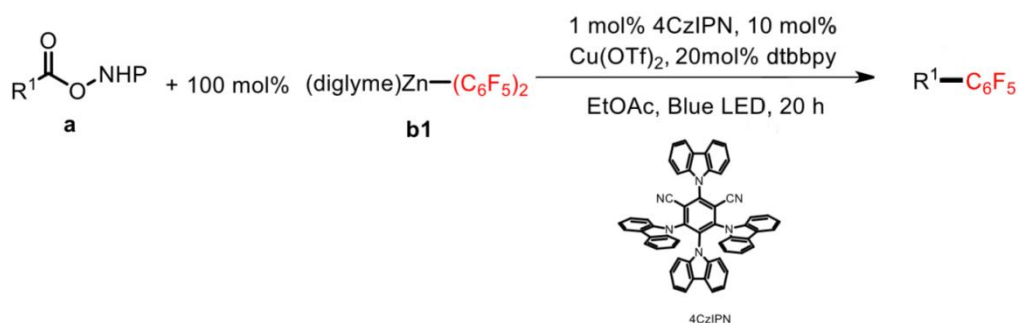


41 examples  
yield up to 90%

### Photocatalytic Decarboxylative Coupling of Aliphatic N-hydroxyphthalimide Esters with Polyfluoroaryl Nucleophiles

Xiangli Yi, Dr. Runze Mao, Lara Lavrencic, Prof. Xile Hu

Angew. Chem. Int. Ed. 2021, 60, 23557-23563

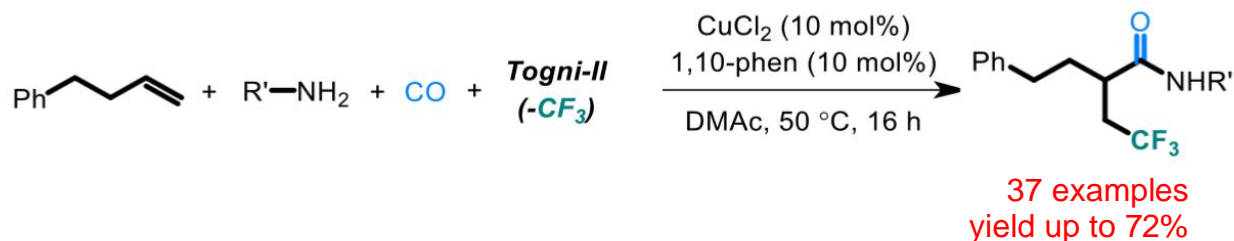


28 examples  
yield up to 85%

# Copper-Catalyzed 1,2-Trifluoromethylation Carbonylation of Unactivated Alkenes: Efficient Access to $\beta$ -Trifluoromethylated Aliphatic Carboxylic Acid Derivatives

Fu-Peng Wu, Dr. Yang Yuan, Prof. Dr. Xiao-Feng Wu

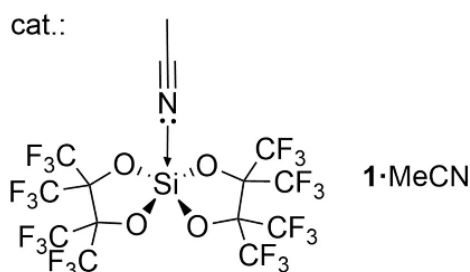
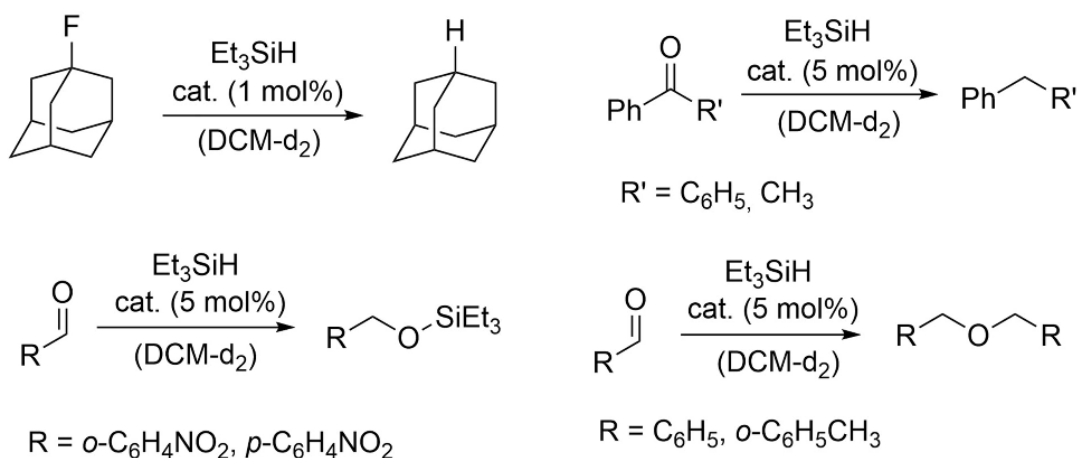
Angew. Chem. Int. Ed. 2021, 60, 25787-25792



# Bis(perfluoropinacolato)silane: A Neutral Silane Lewis Superacid Activates Si-F Bonds

Florian S. Tschernuth, Thaddäus Thorwart, Dr. Lutz Greb, Franziska Hanusch, Prof. Dr. Shigeyoshi Inoue

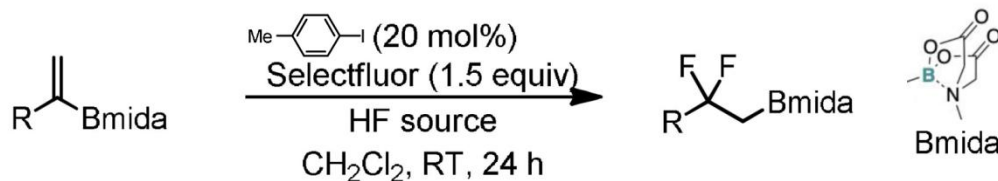
Angew. Chem. Int. Ed. 2021, 60, 25799-25803



# Electrophilic Fluorination of Alkenes via Bora-Wagner–Meerwein Rearrangement. Access to $\beta$ -Difluoroalkyl Boronates

Dr. Qiang Wang, Dr. Maria Biosca, Prof. Fahmi Himo, Prof. Kálmán J. Szabó

Angew. Chem. Int. Ed. 2021, 60, 26327-26331



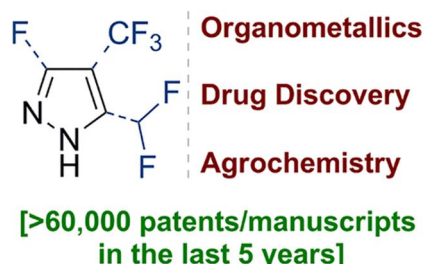
14 examples  
yield up to 86%

## Chemical Society Reviews

### Fluorinated Pyrazoles: From Synthesis to Applications

Pavel K. Mykhailiuk

Chem. Rev., 2021, 121, 1670-1715

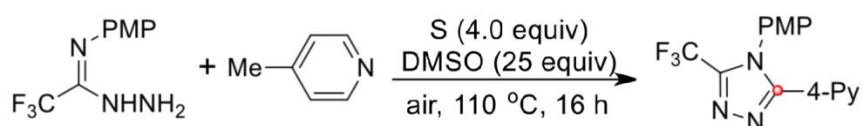


## Chinese Journal of Chemistry

### Elemental Sulfur and Dimethyl Sulfoxide-Promoted Oxidative Cyclization of Trifluoroacetimidohydrazides with Methylhetarenes for the Synthesis of 3-Hetaryl-5-trifluoromethyl-1,2,4-triazoles

Jiajun Zhang, Jianhua Tang, Zhengkai Chen, Xiao-Feng Wu

Chin. J. Chem., 2021, 39, 3443-3447



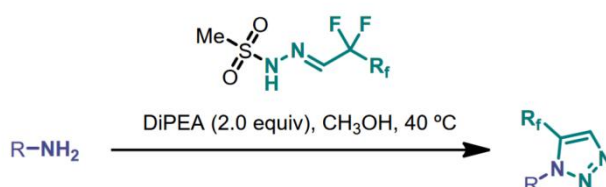
20 examples  
yield up to 75%

## Green Chemistry

### Defluorinative [4 + 1] annulation of perfluoroalkyl N-mesyhydrazones with primary amines provides 5-fluoroalkyl 1,2,3-triazoles

Yongquan Ning, Hongwei Wang, Paramasivam Sivaguru, Shuang Li, Giuseppe Zanoni, Steven P. Nolan and Xihe Bi

Green Chem., 2021, 23, 7976-7981



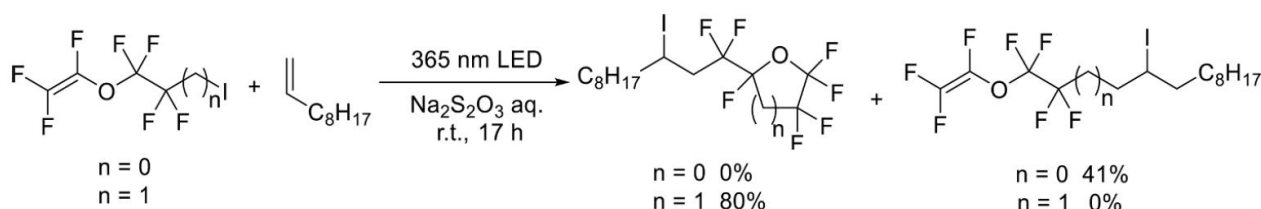
50 examples  
yield up to 97%

## Journal of Fluorine Chemistry

### Radical cyclization reaction of iodine containing fluoroolefines

Yu Ofuji, Tadashi Kanbara, Tomoko Yajima

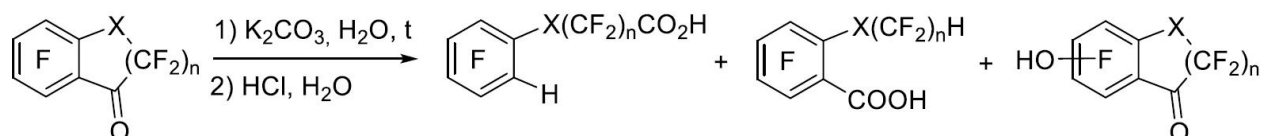
J. Fluor. Chem., 2021, 247, 109805



### The aliphatic ring-opening and S<sub>N</sub>Ar substitution in the reactions of perfluorobenzocycloalkenones with K<sub>2</sub>CO<sub>3</sub> in water and methanol

Yaroslav V. Zonov, Siqi Wang, Victor M. Karpov, Tatyana V. Mezhenkova

J. Fluor. Chem., 2021, 249, 109851



14 examples  
yield up to 100%