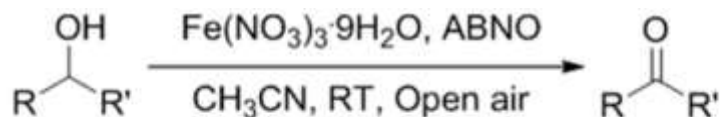


Iron/ABNO-Catalyzed Aerobic Oxidation of Alcohols to Aldehydes and Ketones under Ambient Atmosphere

Lianyue Wang, SenSen Shang, Guosong Li, Lanhui Ren, Ying Lv, and Shuang Gao

J. Org. Chem. 2016, 81, 2189–2193

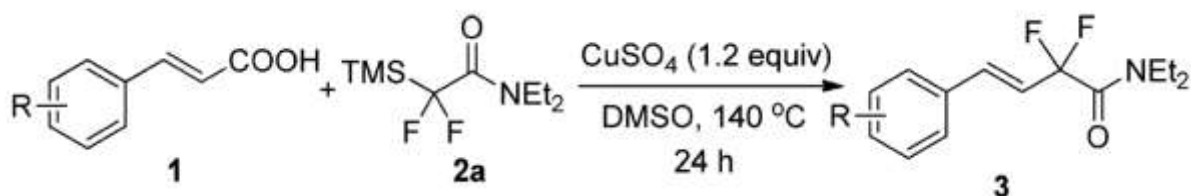


- Open air
 - Room temperature
 - Ligand and base-free
 - Without the use of halogenated solvents
 - Excellent activity and selectivity for aliphatic alcohol oxidation
- 30 examples, Yield up to 99%
R = alkyl, benzyl, allyl
R' = H, alkyl, alkenyl

CuSO₄- Mediated Decarboxylative Difluoroacetamidation of α,β -Unsaturated Carboxylic Acids

Qiao Chen, Chao Wang, Jiawei Zhou, Yanan Wang, Zhaoqing Xu, and Rui Wang

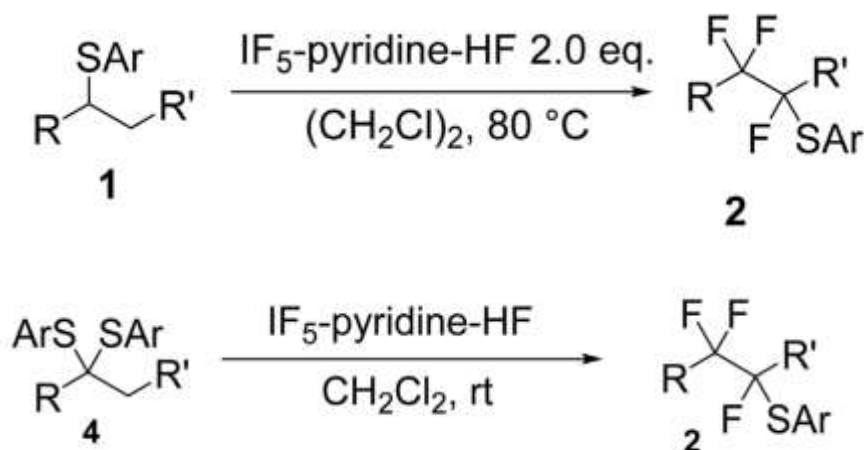
J. Org. Chem. 2016, 81, 2639–2645



Trifluorination of sulfides and dithioketals using IF₅-pyridine-HF

Toshiya Inoue, Sho Nakabo, Shoji Hara

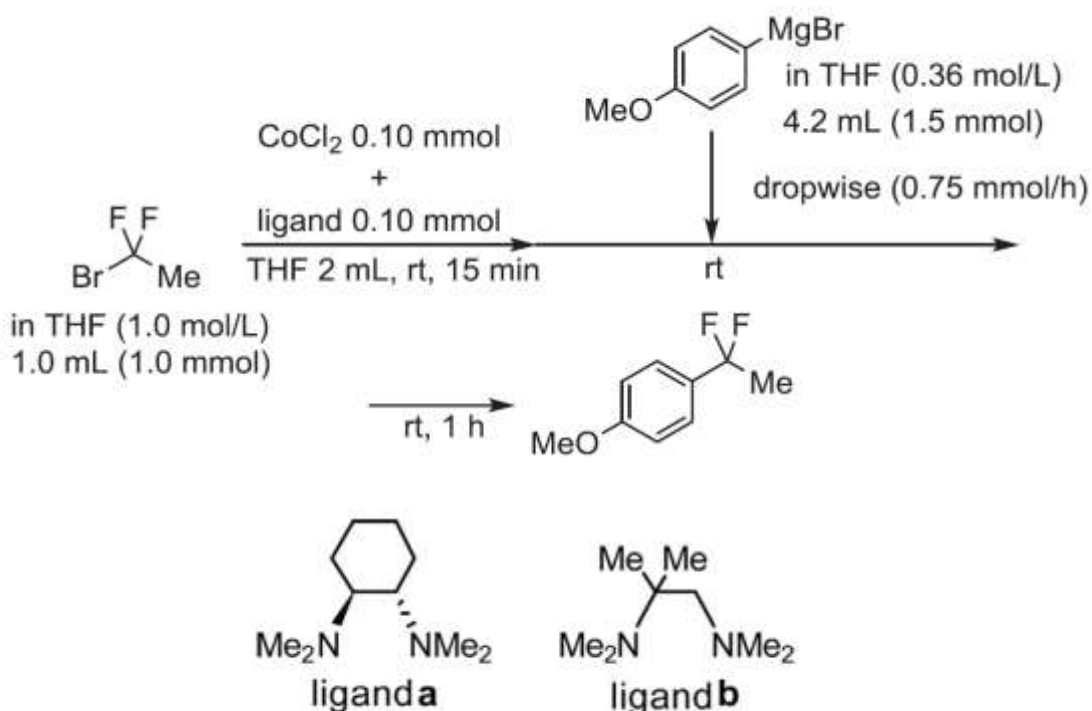
J. Fluor. Chem. 2016, v.184, pp 22–27



Cobalt/diamine-catalyzed 1,1-difluoroethylation and 2,2,2-trifluoroethylation of aryl Grignard reagents with corresponding fluoroalkyl halides

Yuhki Ohtsuka, Tetsu Yamakawa

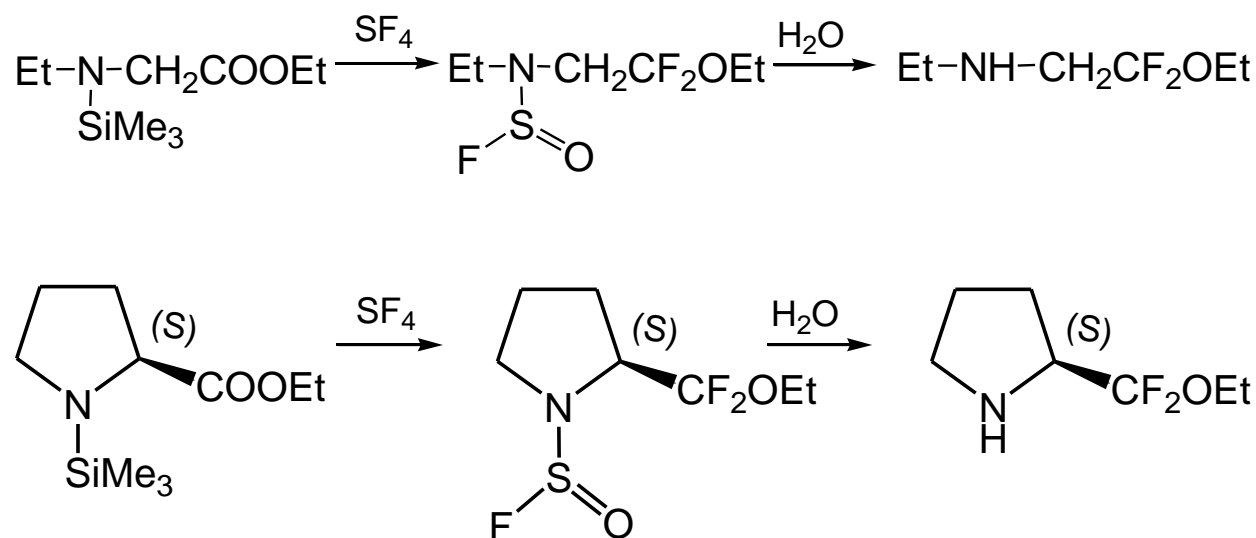
J. Fluor. Chem. 2016, v.184, pp 96–102



The first synthesis of chiral dialkylamines with α,α -difluoroethers fragments

Sergiy V. Zasukha, Olga V. Novak, Olexandr I. Guzyr, Yuriy G. Shermolovich

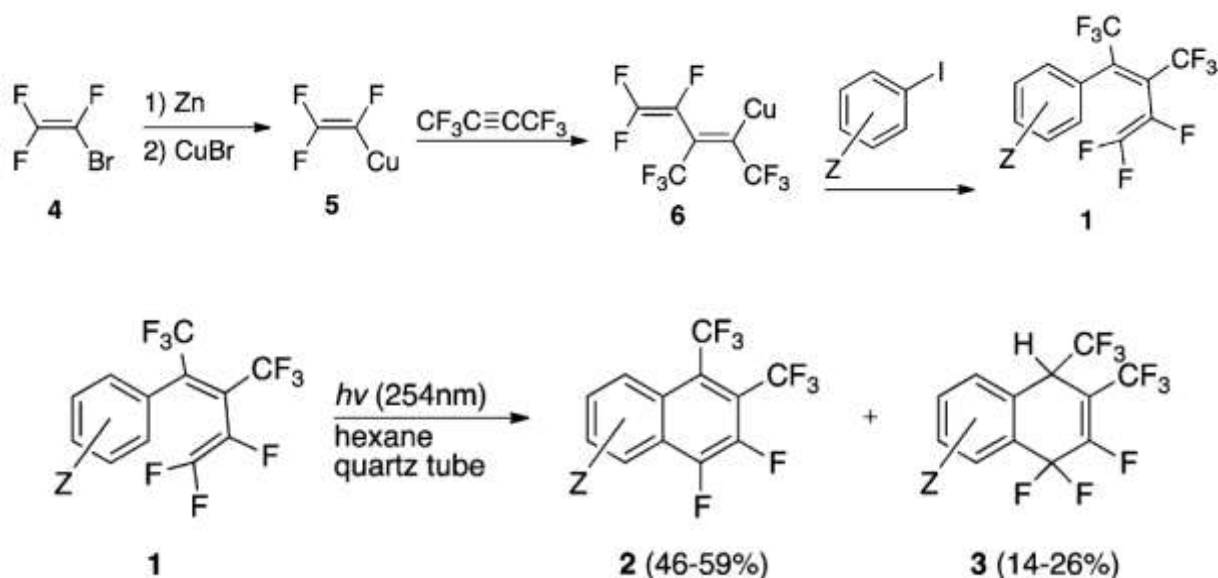
J. Fluor. Chem. 2016, v.184, pp 197–200



Unusual photocyclization of perfluoro cis-1,2-dimethyl-1,3-butadienyl benzenes as a means to synthesize partially fluorinated naphthalenes

Michiharu Yamamoto, Dale C. Swenson, Donald J. Bur

J. Fluor. Chem. 2016, v.184, pp 213–223

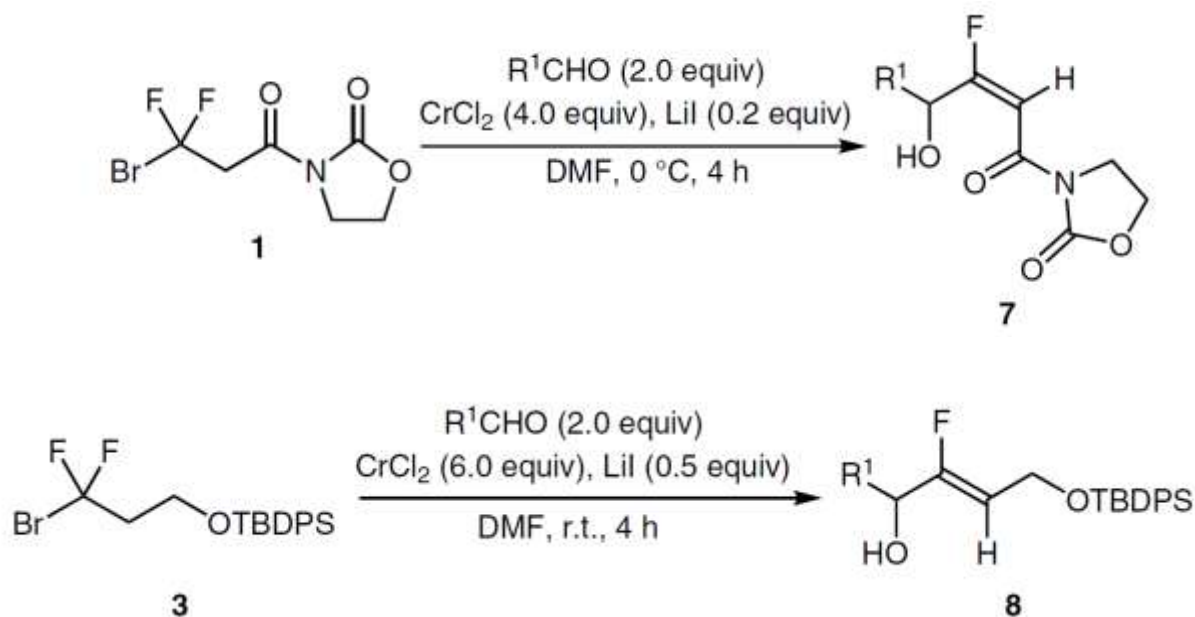


Synthesis

Highly Stereoselective Synthesis of Fluoroalkene Dipeptides via the Novel Chromium(II)-Mediated Carbon–Fluorine Bond Cleavage/New Carbon–Carbon Bond Formation

Takashi Nihei, Yuji Nishi, Natsumi Ikeda, Saya Yokotani, Takashi Ishihara, Satoru Arimitsu, Tsutomu Konno

Synthesis, 2016, 48, 865–881

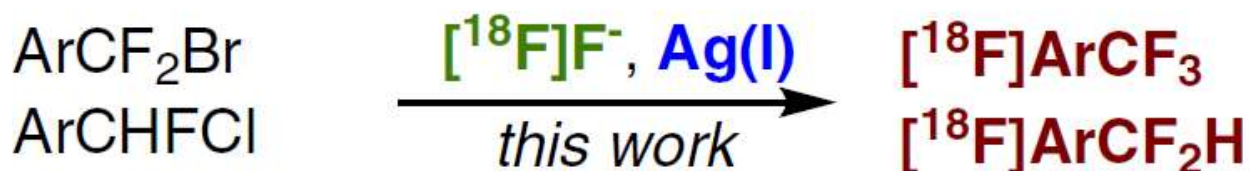


Synlett

Silver-Mediated ^{18}F -Labeling of Aryl- CF_3 and Aryl- CHF_2 with ^{18}F -Fluoride

Stefan Verhoog, Lukas Pfeifer, Tanatorn Khotavivattan, Samuel Calderwood, Thomas Lee Collier, Katherine Wheelhouse, Matthew Tredwell, Véronique Gouverneur

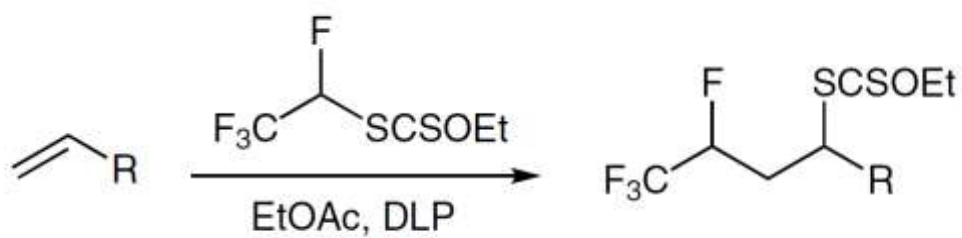
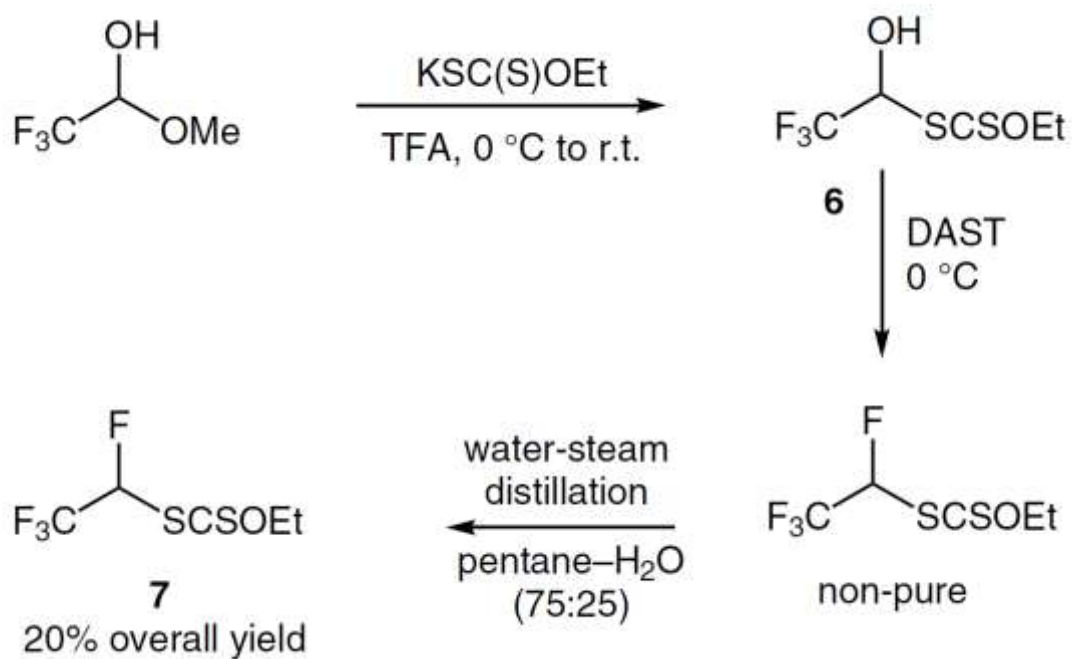
Synlett, 2016, 27, 25-28



O-Ethyl-S-(1,2,2,2-Tetrafluoroethyl)-Dithiocarbonate: A Convenient Reagent for the Generation and Capture of 1,2,2,2-Tetrafluoroethyl Radicals

Qiao Chen, Chao Wang, Jiawei Zhou, Yanan Wang, Zhaoqing Xu, and Rui Wang

Synlett, 2016, 27, 136-140

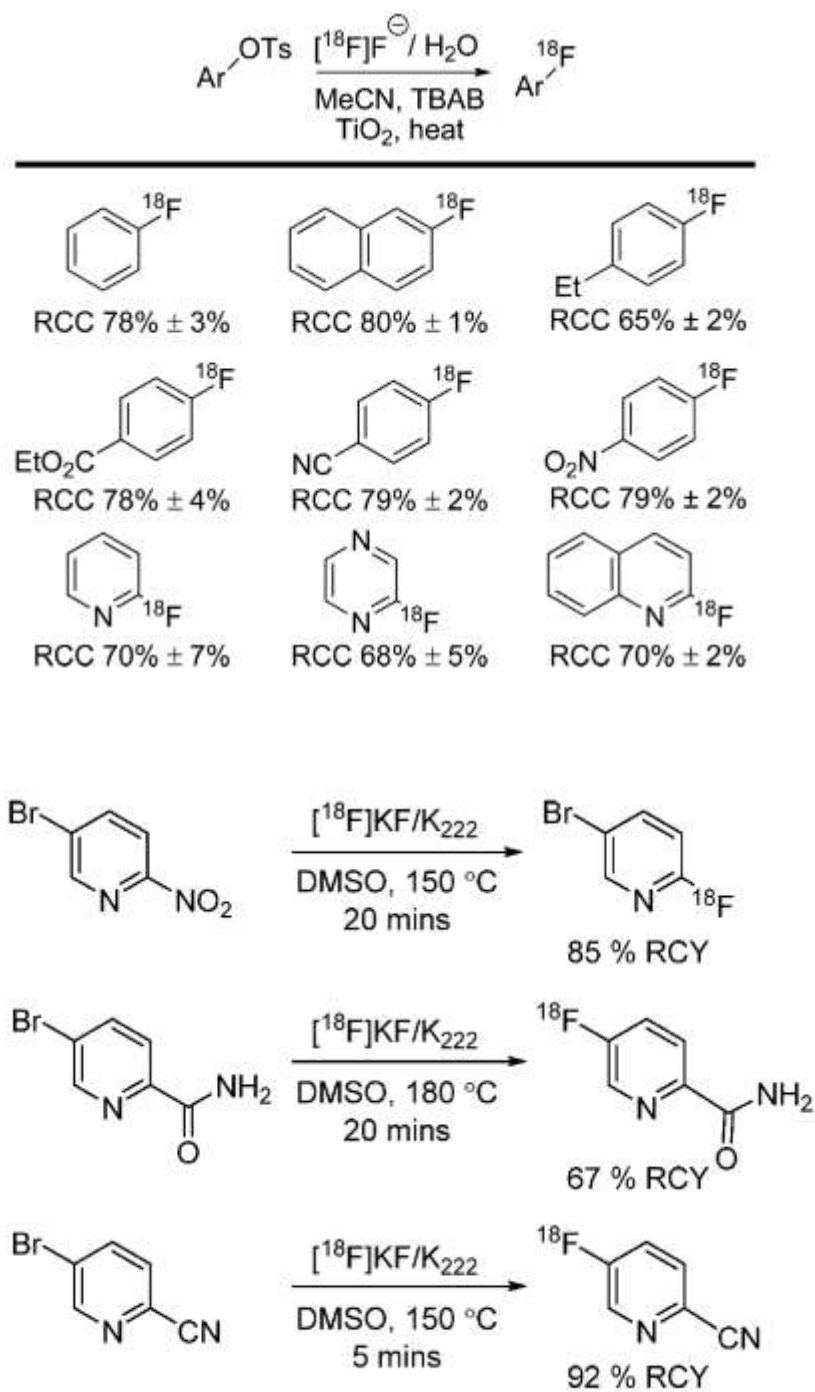


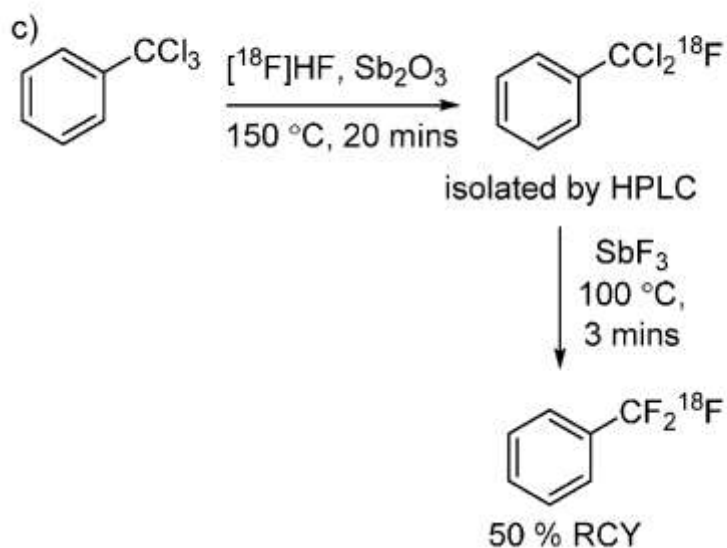
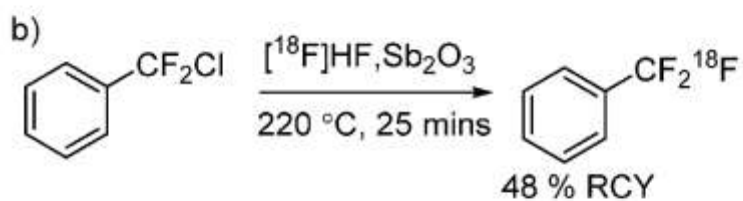
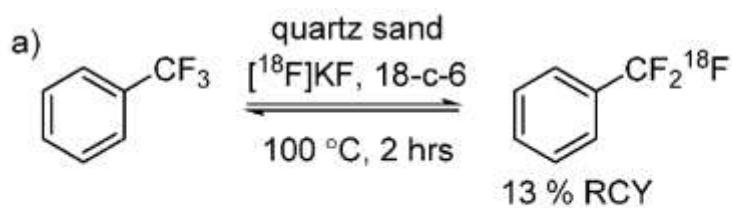
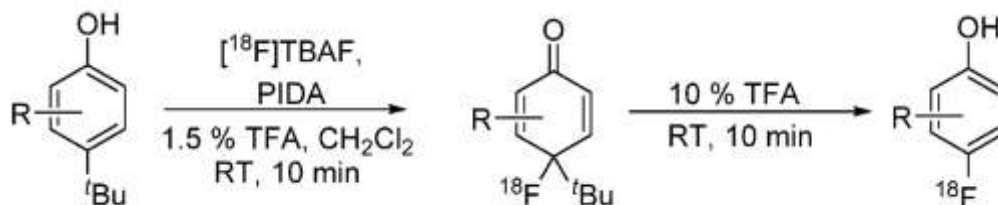
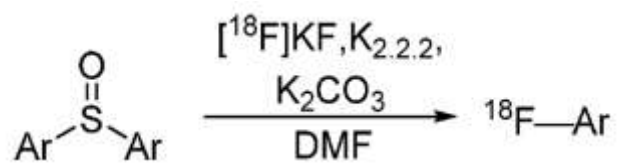
Chemical Reviews

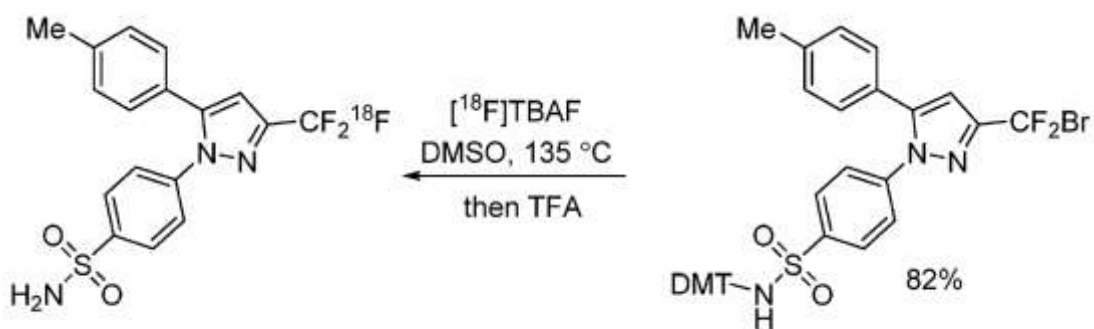
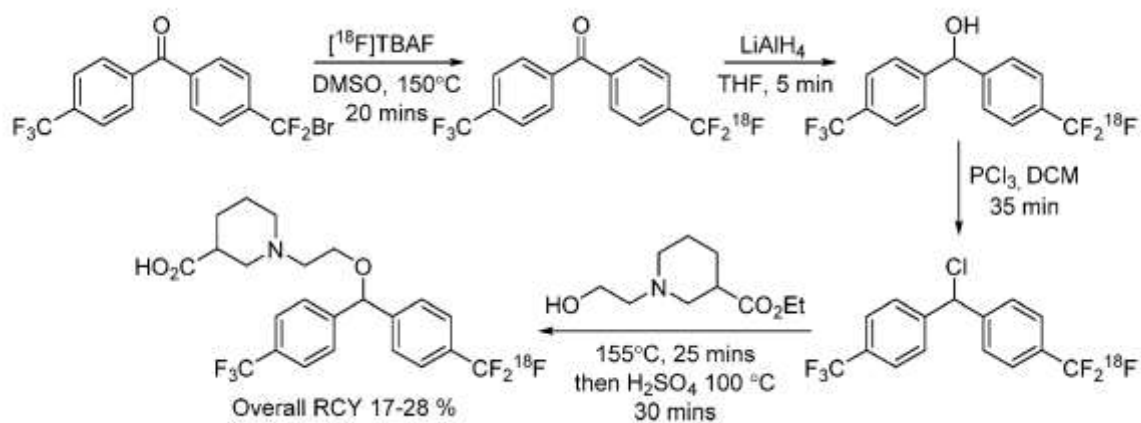
¹⁸F-Labeling of Arenes and Heteroarenes for Applications in Positron Emission Tomography

Sean Preshlock, Matthew Tredwell, and Véronique Gouverneur

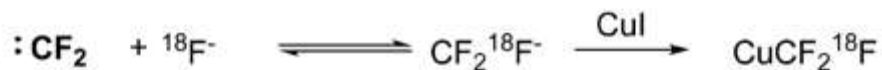
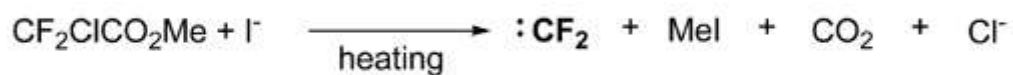
Chem.Rev., 2016, v.116(2), pp 719–766



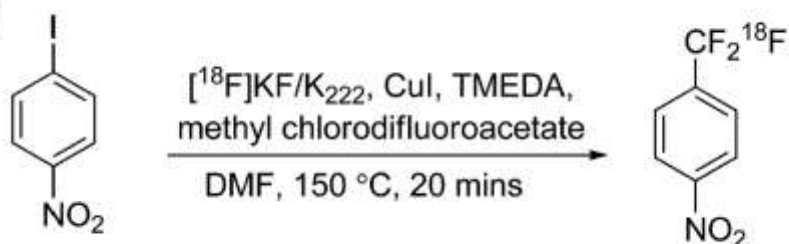




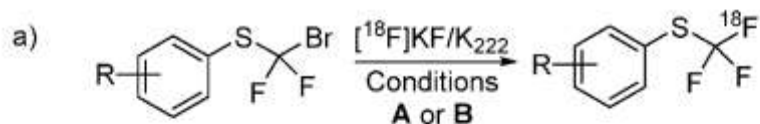
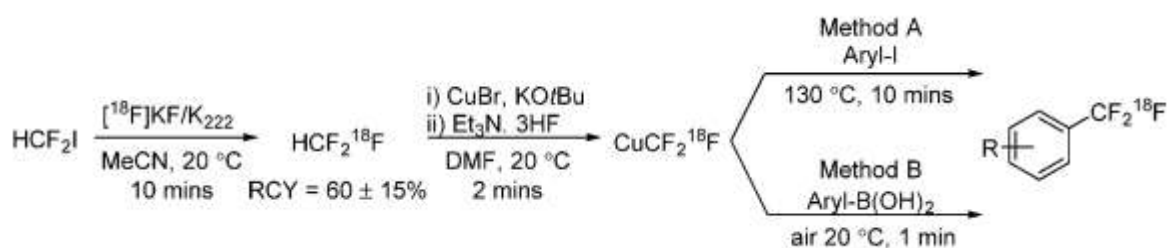
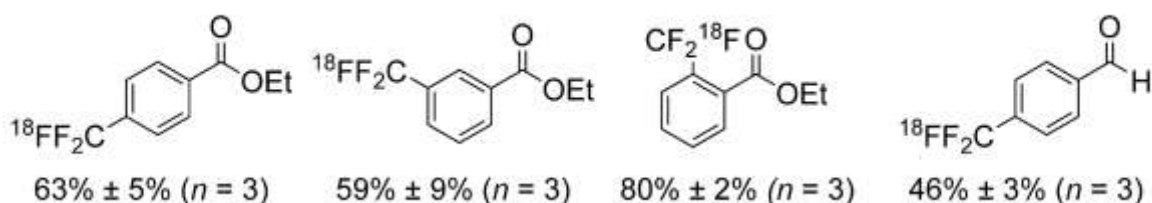
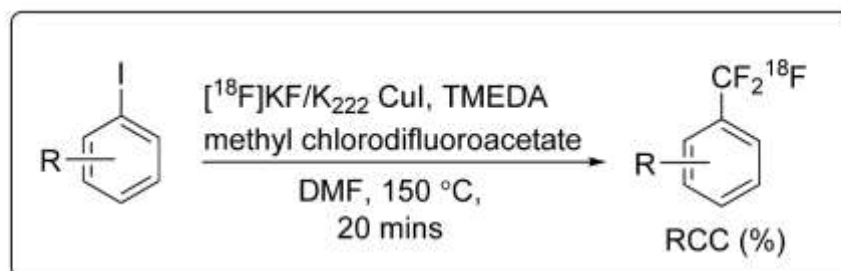
a)



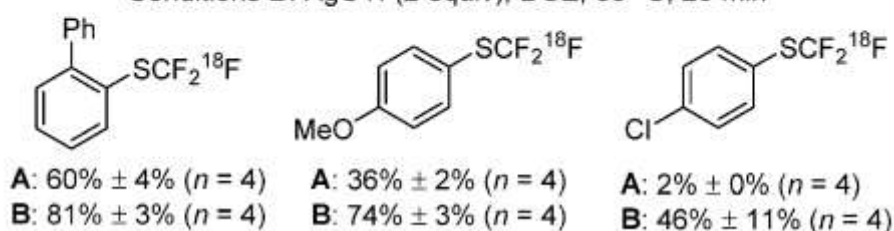
b)



RCY = $87 \pm 3\%$ ($n = 3$)
SA = 0.1 GBq/ μmol



Conditions **A**: AgOTf (1 equiv), DCM, rt, 20min
 Conditions **B**: AgOTf (2 equiv), DCE, 60 °C, 20 min



Synthesis of Chloropolyfluoroarenes from Polyfluoroarenethiols and PCl_5

P. V. Nikul'shin, A. M. Maksimov, and V. E. Platonov

ПОЛУЧЕНИЕ ХЛОРПОЛИФТОРАРЕНОВ ИЗ
ПОЛИФТОРАРЕНТИОЛОВ И PCl_5

П.В.Никольшин, А.М.Максимов, В.Е.Платонов

Russ.J.Org.Chem., 2016, v. 52(2), p.200-205
Журн. орг. химии. 2016, т. 52, вып. 2, с.217-221

