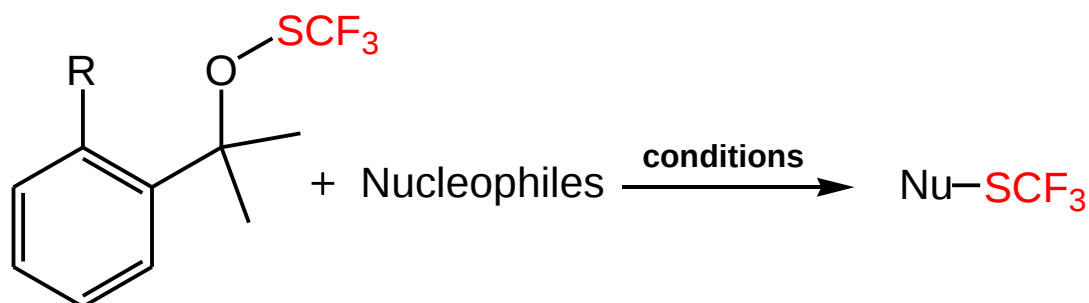


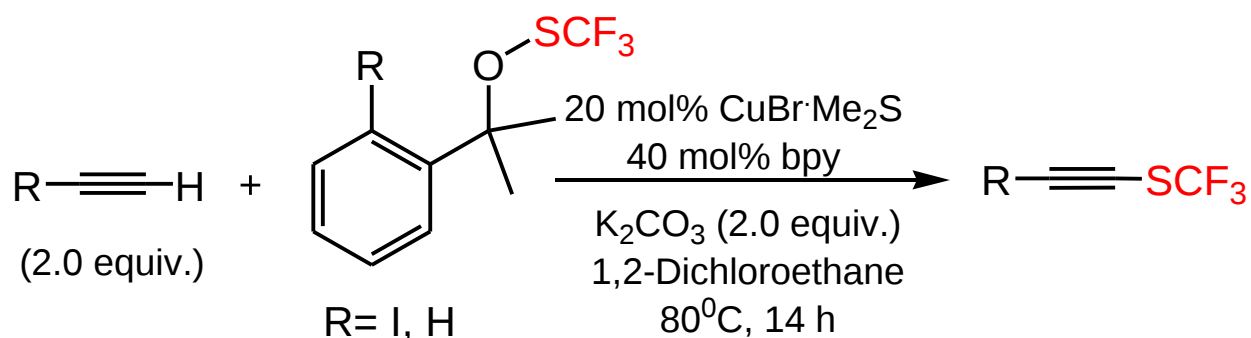
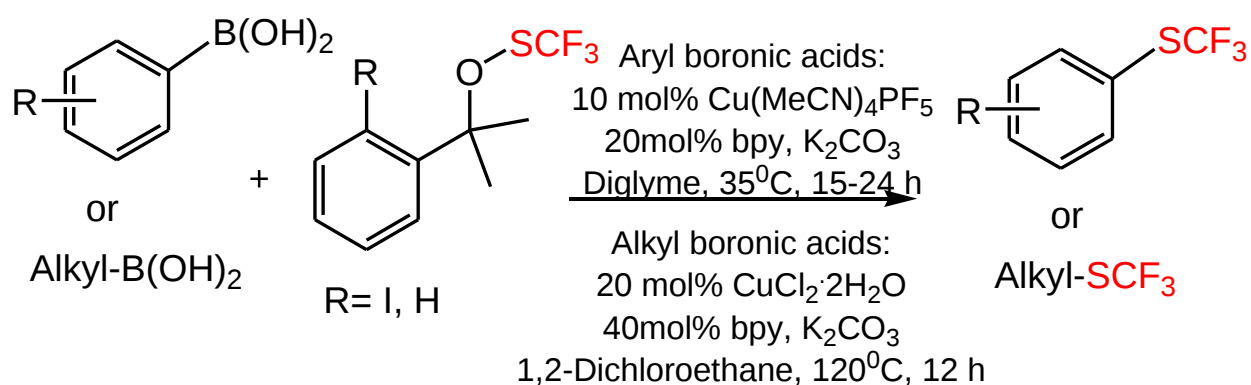
Shelf-Stable Electrophilic Reagents for Trifluoromethylthiolation

Xinxin Shao, Chunfa Xu, Long Lu, and Qilong Shen

Acc. Chem. Res. 2015, 48, 1227–1236



R = I, H, Br, Me

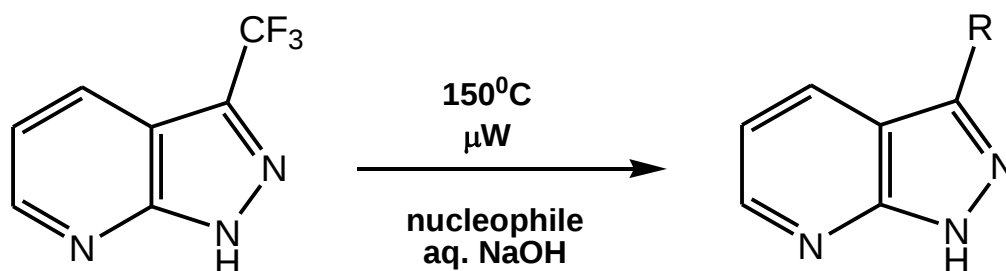


Tetrahedron

Use of 3-(trifluoromethyl)-1H-pyrazolo-[3,4-b]pyridine as a versatile building block

Hartmut Schirok, Nils Griebenow, Chantal F€urstner, Alicia M. Dilmac

Tetrahedron 71 (2015) 5597e5601

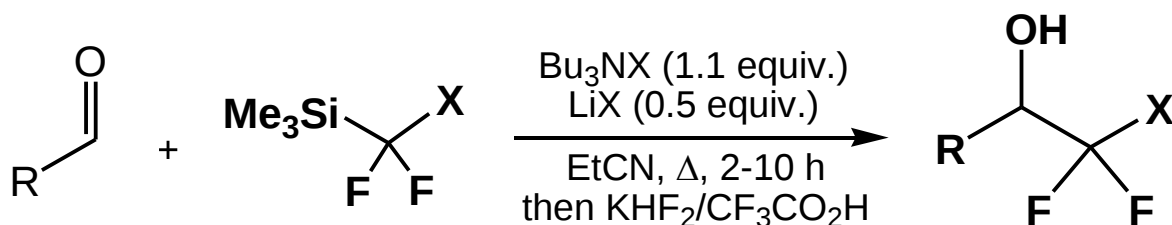


Mendeleev Communications

Synthesis of organofluorine compounds using a fluorine-substituted silicon reagents

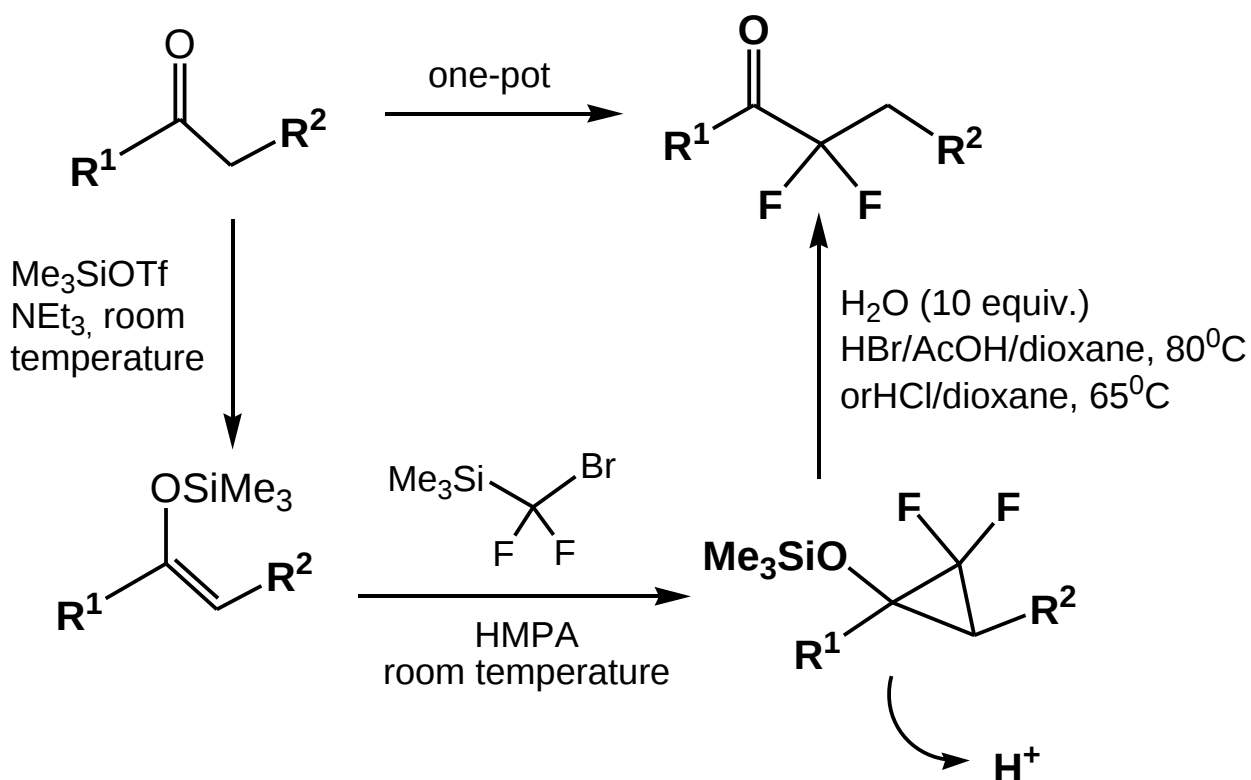
Alexander D. Dilman and Vitalij V. Levin

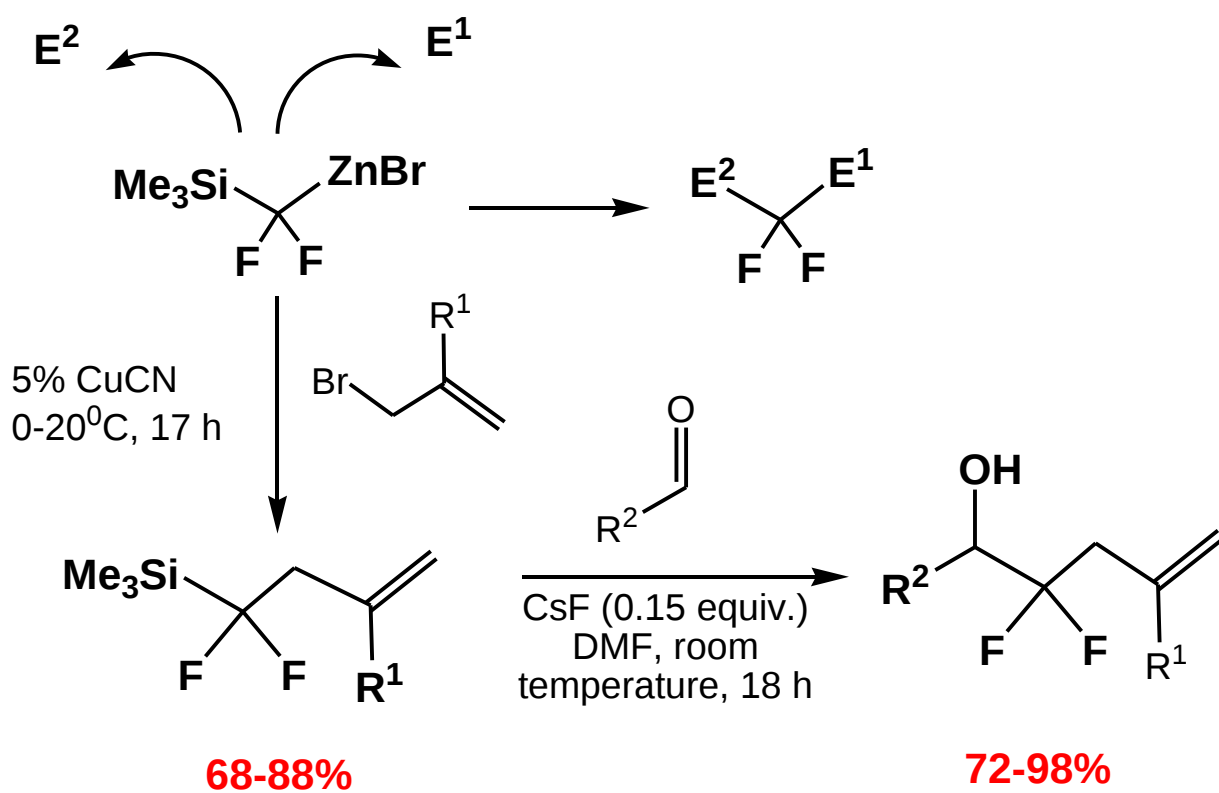
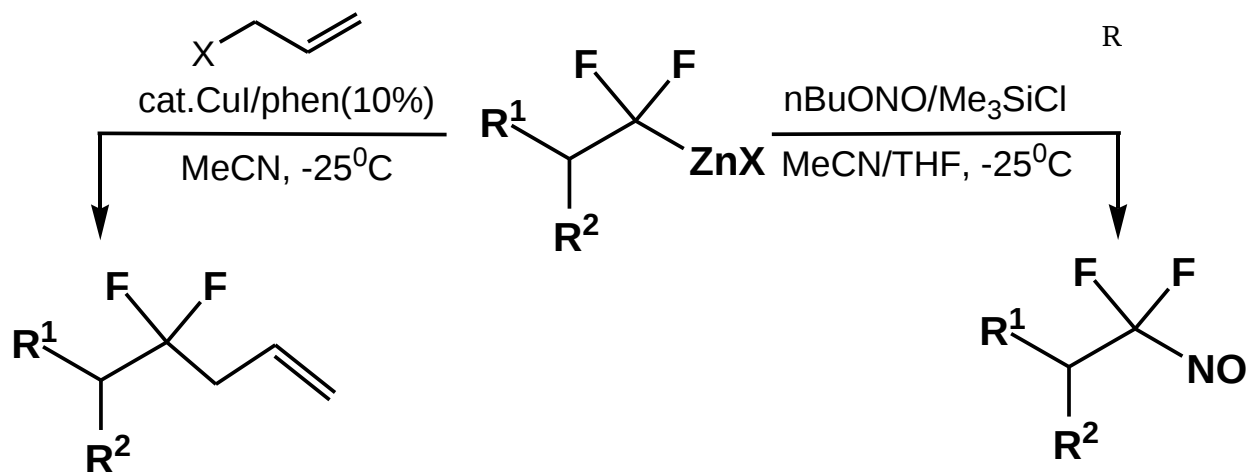
Mendeleev Commun., 2015, **25**, 239–244



$X = Br, I$

75–95%



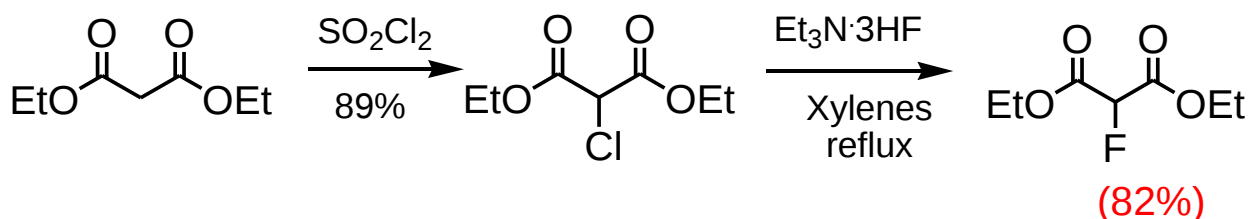


Green Chemistry

Fluorine gas for life science syntheses: green metrics to assess selective direct fluorination for the synthesis of 2-fluoromalonate esters

Antal Harsanyi and Graham Sandford

Green Chem., 2015, 17, 3000–3009

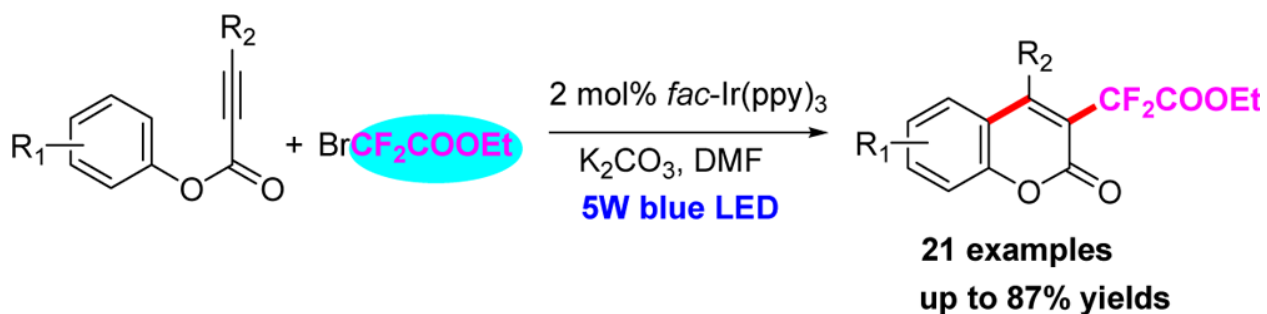


Journal of Organic Chemistry

Visible-Light-Mediated Radical Aryldifluoroacetylation of Alkynes with Ethyl Bromodifluoroacetate for the Synthesis of 3-Difluoroacetylated Coumarins

Weijun Fu, Mei Zhu, Guanglong Zou, Chen Xu, Zhiqiang Wang, and Baoming Ji

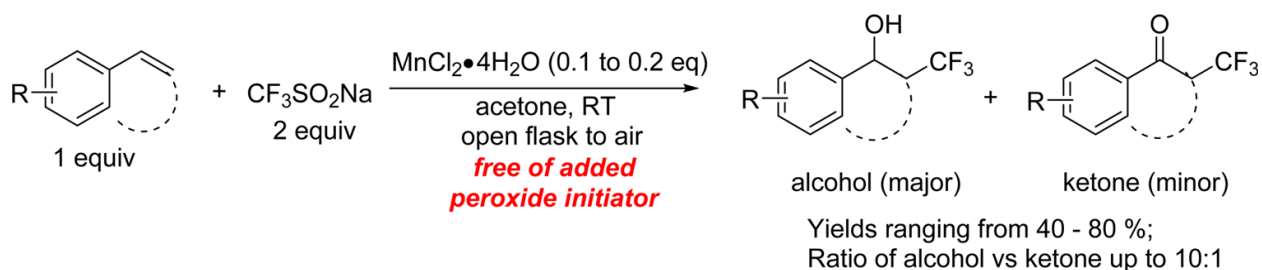
J. Org. Chem. 2015, 80, 4766–4770



Manganese-Catalyzed Aerobic Oxytrifluoromethylation of Styrene Derivatives Using $\text{CF}_3\text{SO}_2\text{Na}$ as the Trifluoromethyl Source

Yi Yang, Yingle Liu, Yan Jiang, Yu Zhang, and David A. Vicic.

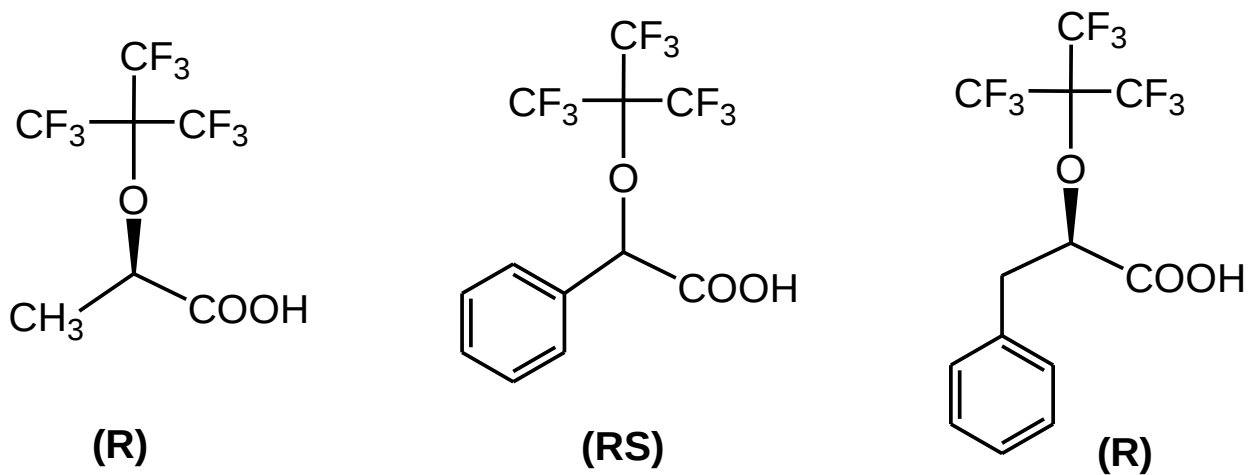
J. Org. Chem. 2015, 80, 6639–6648



Chiral Recognition Studies of α -(Nonafluoro-tert-butoxy)carboxylic Acids by NMR Spectroscopy

Anikó Nemes, Tamás Csóka, Szabolcs Béni, Viktor Farkas, József Rábai, and Dénes Szabó

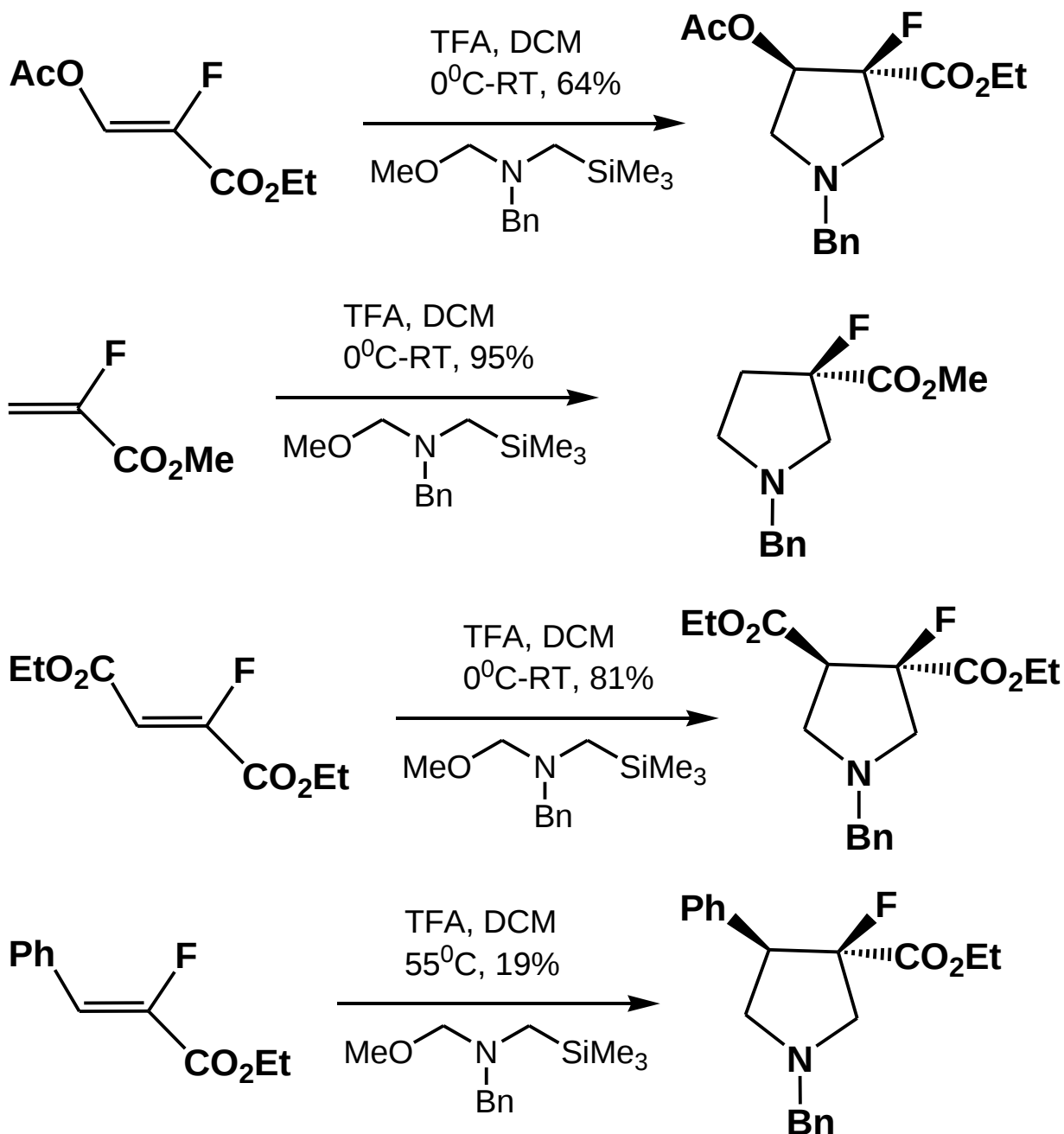
J. Org. Chem. 2015, 80, 6267–6274



Synthesis of Small 3-Fluoro- and 3,3-Difluoropyrrolidines Using Azomethine Ylide Chemistry

Indrawan McAlpine, Michelle Tran-Dubé, Fen Wang, Stephanie Scales, Jean Matthews, Michael R. Collins, Sajiv K. Nair, Mary Nguyen, Jianwei Bian, Luis Martinez Alsina, Jianmin Sun, Jiaying Zhong, Joseph S. Warmus, and Brian T. O'Neill.

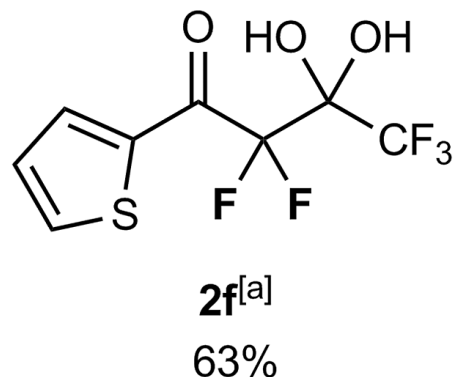
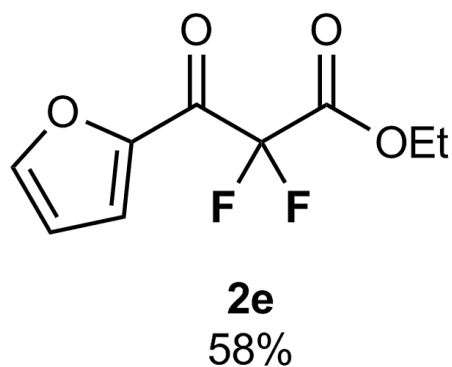
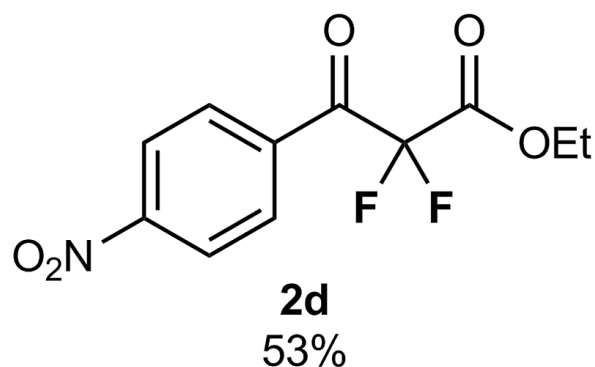
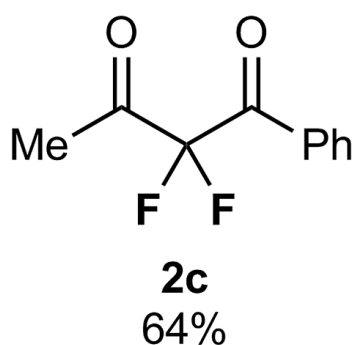
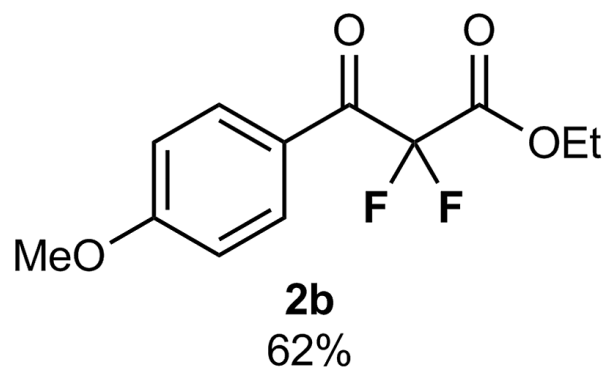
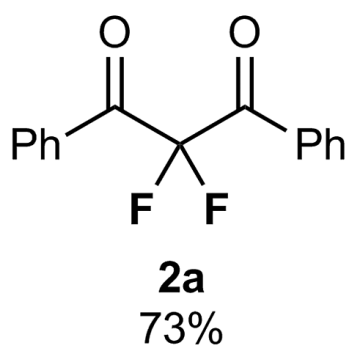
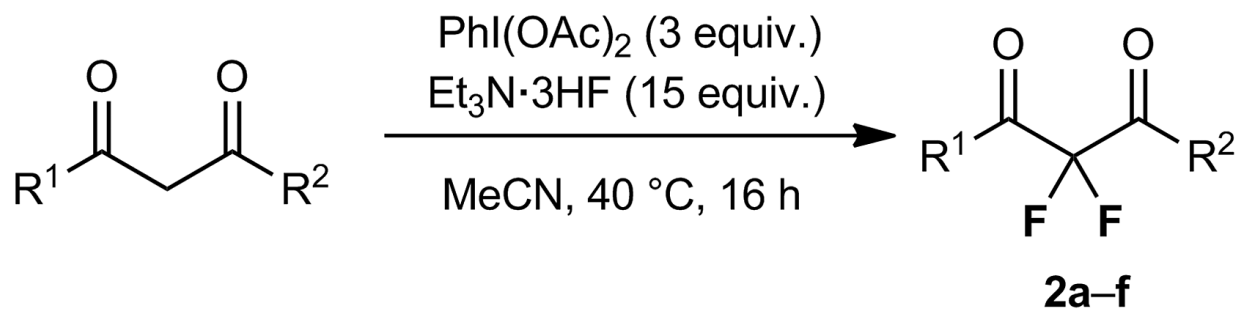
J. Org. Chem. 2015, 80, 7266–7274

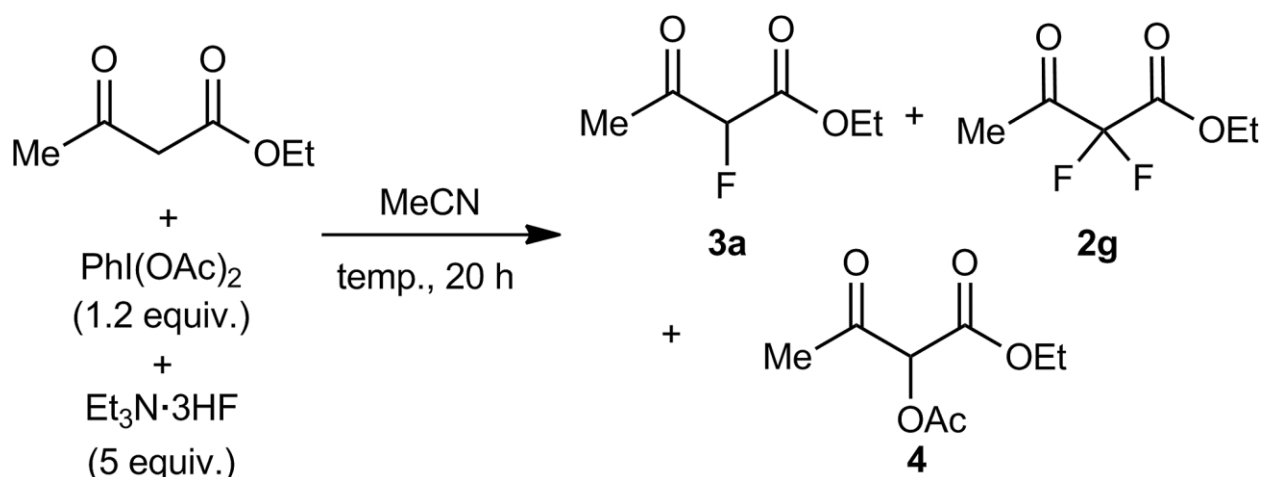


Apparent Electrophilic Fluorination of 1,3-Dicarbonyl Compounds
Using Nucleophilic Fluoride Mediated by PhI(OAc)₂

Toby J. Nash[a] and Graham Pattison

Eur. J. Org. Chem. 2015, 3779–3786

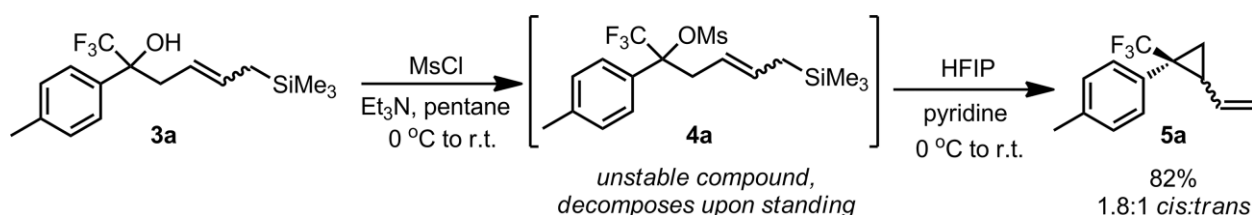




Synthesis of Perfluoroalkyl-Substituted Vinylcyclopropanes by Way of Enhanced Neighboring Group Participation

Christopher B. Kelly, Michael A. Mercadante, Emma R. Carnaghan, Matthew J. Doherty, Diana C. Fage, John J. Hauck, Allyson E. MacInnis, Leon J. Tilley, and Nicholas E. Leadbeater

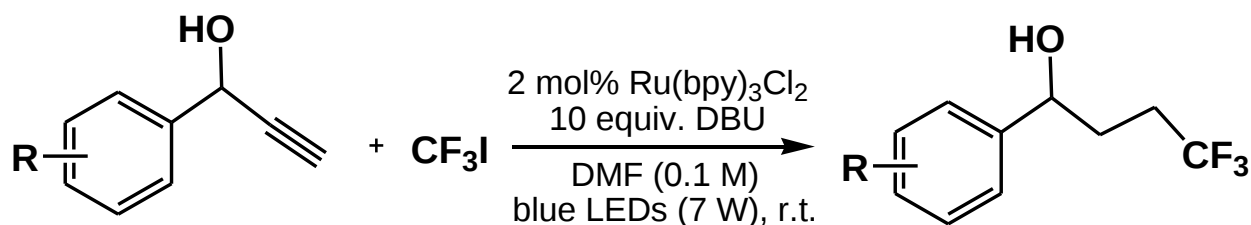
Eur. J. Org. Chem. 2015, 4071–4076



Synthesis of β -Trifluoromethylated Ketones from Propargylic Alcohols by Visible Light Photoredox Catalysis

Sehyun Park, Jung Min Joo, and Eun Jin Cho

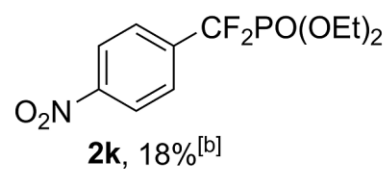
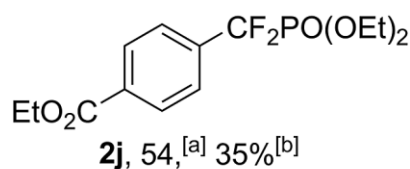
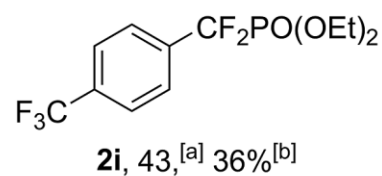
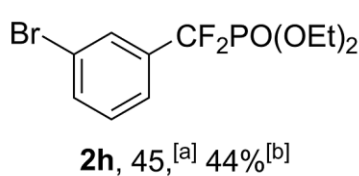
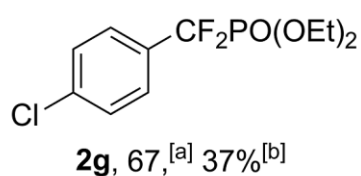
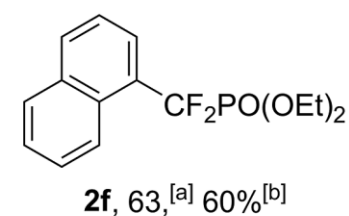
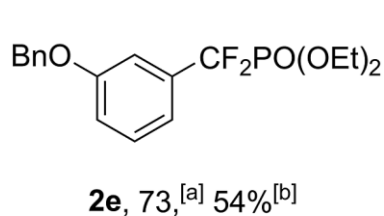
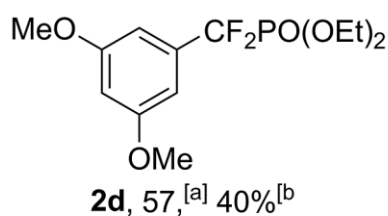
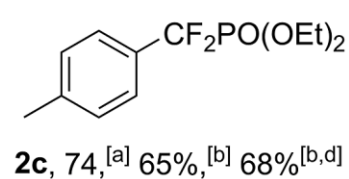
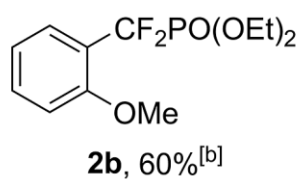
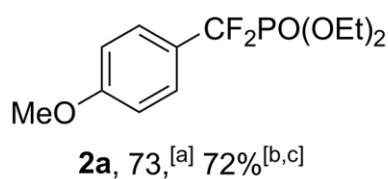
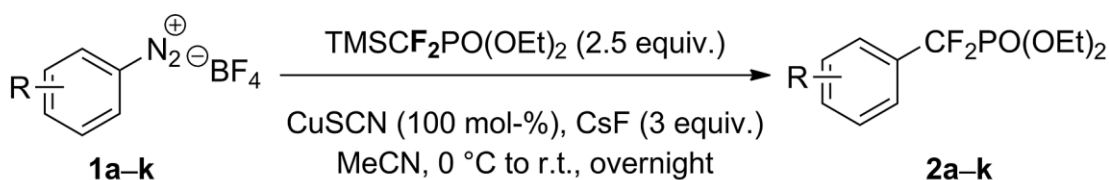
Eur. J. Org. Chem. 2015, 4093–4097



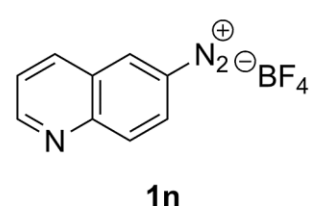
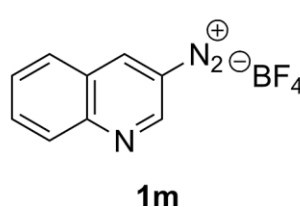
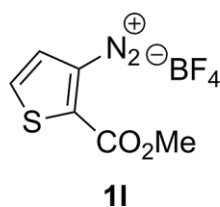
Copper-Mediated Synthesis of Aryldifluoromethylphosphonates: A Sandmeyer Approach

Alexandre Bayle, Chloé Coudat, Cyril Nicolas, Olivier R. Martin, Thomas Poisson, and Xavier Pannecoucke

Eur. J. Org. Chem. 2015, 3787–3792



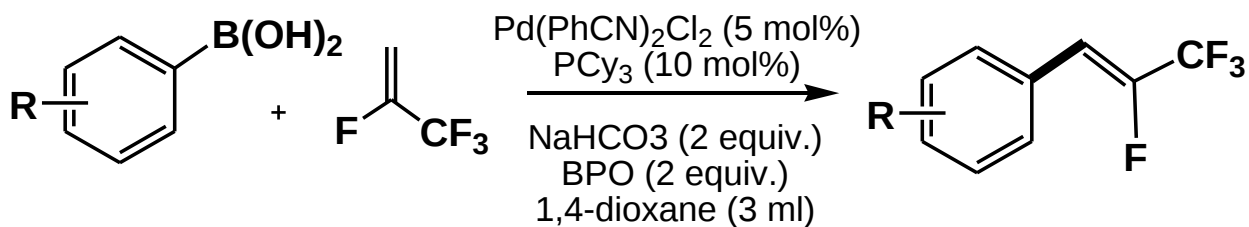
Unreactive diazonium salts:



Oxidative Heck Reaction of Fluorinated Olefins with Arylboronic Acids by Palladium Catalysis

Yang Li, Dong-Huai Tu, Yu-Jie Gu, Bo Wang, Yao-Yu Wang, Zhao-Tie Liu, Zhong-Wen Liu, and Jian Lu

Eur. J. Org. Chem. 2015, 4340–4343

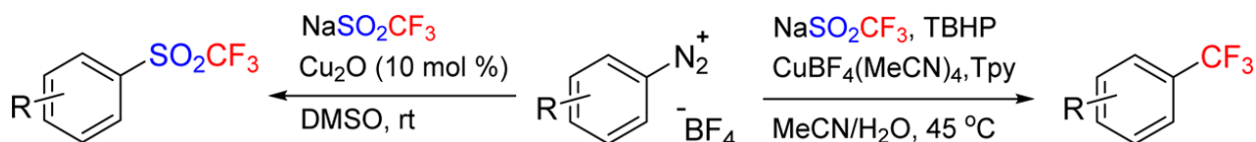


Journal of Organic Chemistry

Copper-Promoted Trifluoromethanesulfonylation and Trifluoromethylation of Arenediazonium Tetrafluoroborates with NaSO₂CF₃

Ke Zhang, Xiu-Hua Xu, and Feng-Ling Qing

J. Org. Chem. 2015, 80, 7658–7665

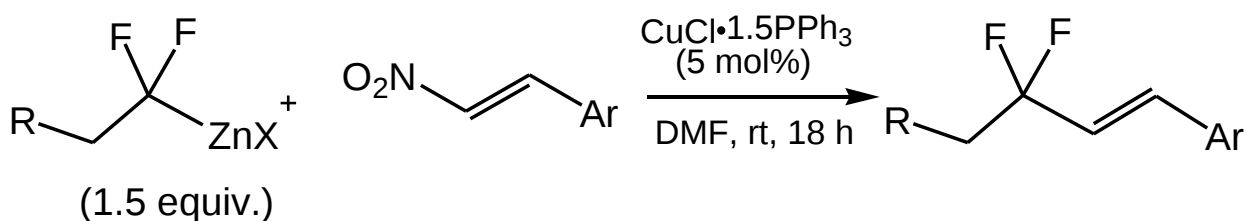


Journal of Fluorine Chemistry

Reaction of gem-difluorinated organozinc reagents with β-nitrostyrenes

Nikolay S. Kondratyev, Vitalij V. Levin, Artem A. Zemtsov, Marina I. Struchkova, Alexander D. Dilman

J. Fluor. Chem. 2015, v.176, pp 89–92

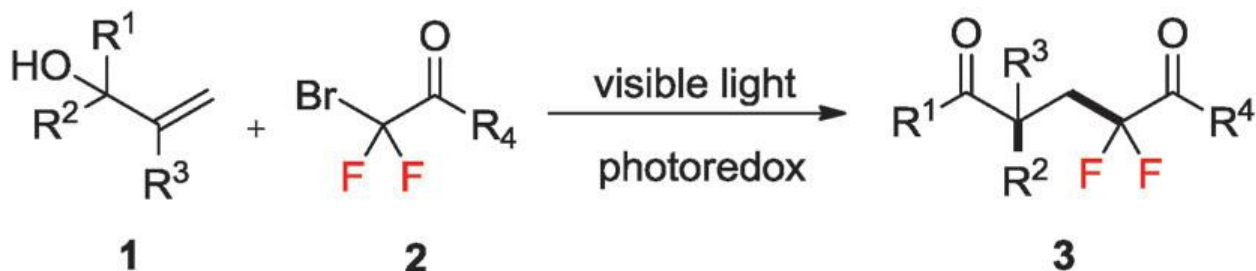


Chemical Communications

Visible light promoted carbodifluoroalkylation of allylic alcohols via concomitant 1,2-aryl migration

Pan Xu, Kaidong Hu, Zhangxi Gu, Yixiang Chenga and Chengjian Zhu

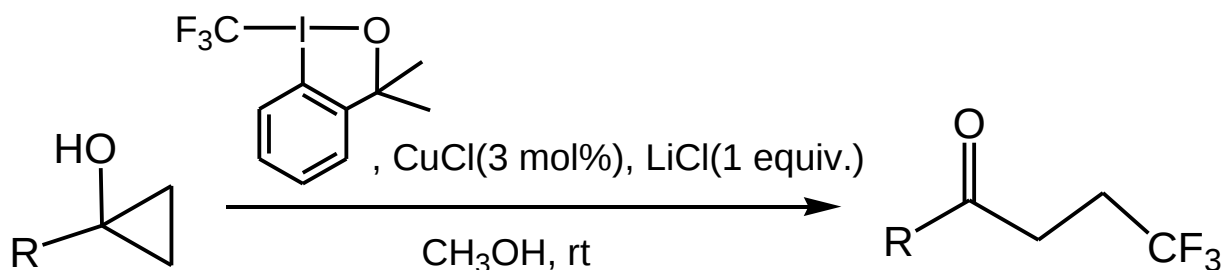
Chem. Commun., 2015, 51, 7222-7225



Simple access to b-trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols

Dzmitry G. Kananovich, Yulia A. Konik, Dzmitry M. Zubrytski, Ivar Jarving and Margus Lopp

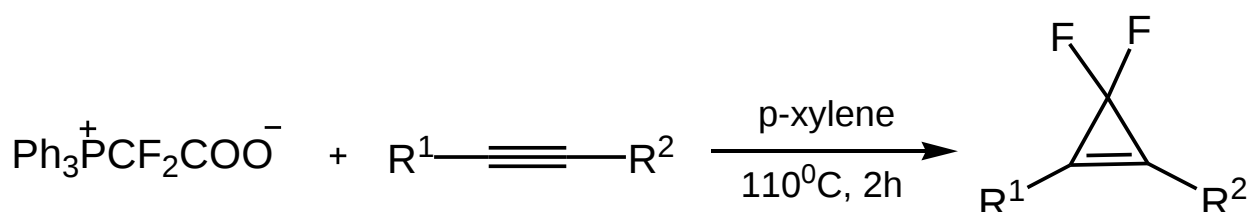
Chem. Commun., 2015, 51, 8349-8352



Difluoromethylation and gem-difluorocyclopropenation with difluorocarbene generated by decarboxylation

Xiao-Yun Deng, Jin-Hong Lin, Jian Zheng and Ji-Chang Xiao

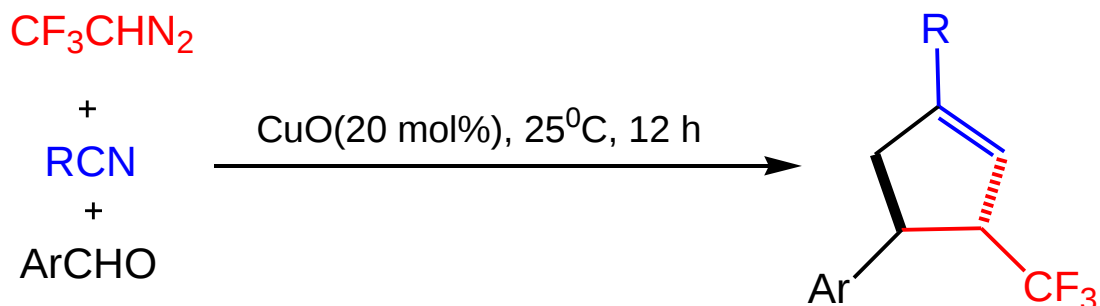
Chem. Commun., 2015, 51, 8805-8808



Copper-triggered three-component reaction of CF_3CHN_2 , nitriles, and aldehydes: highly diastereoselective synthesis of CF_3 -substituted oxazolines and vicinal amino alcohols

Ai-Jie Cai, Yan Zheng and Jun-An Ma

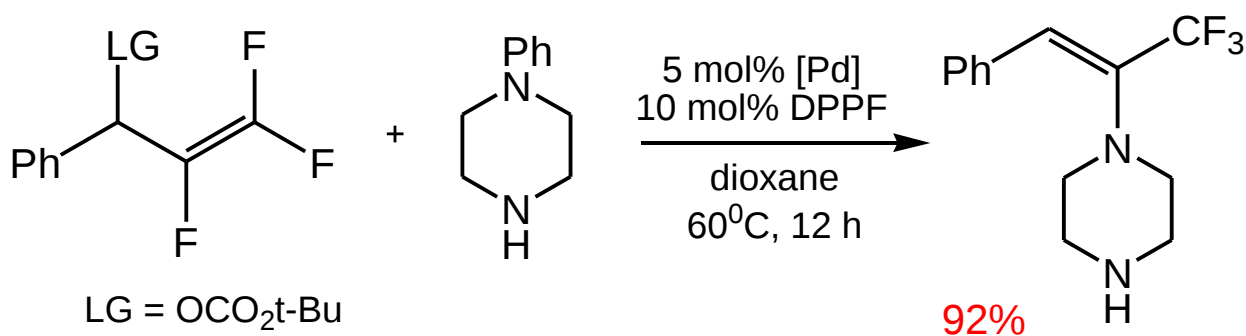
Chem. Commun., 2015, 51, 8946-8949



Palladium-catalyzed amination of 2,3,3-trifluoroallyl esters: synthesis of trifluoromethylenamines via an intramolecular fluorine shift and CF_3 group construction

Kazuki Isa, Maki Minakawa and Motoi Kawatsura

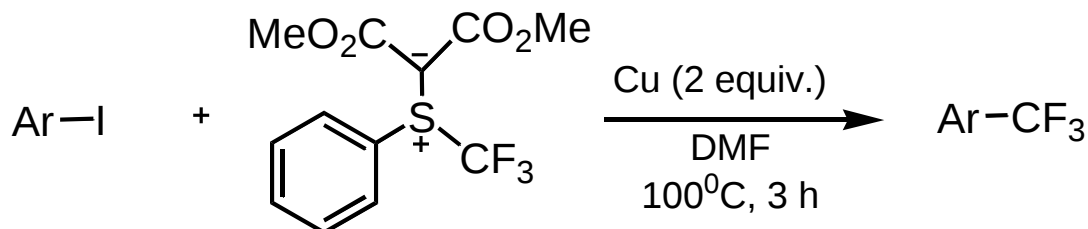
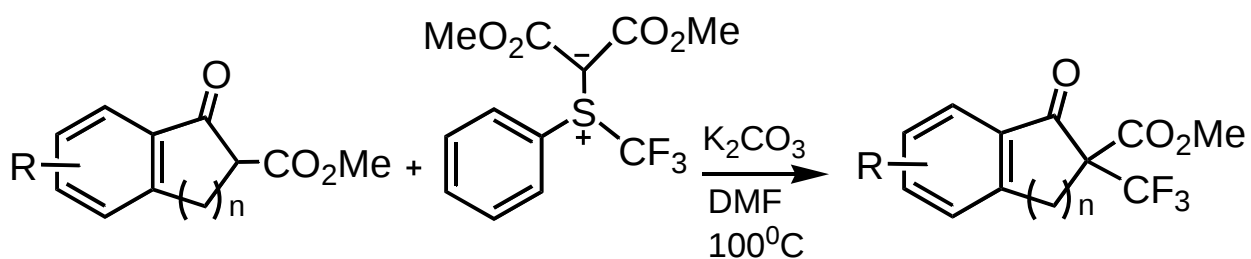
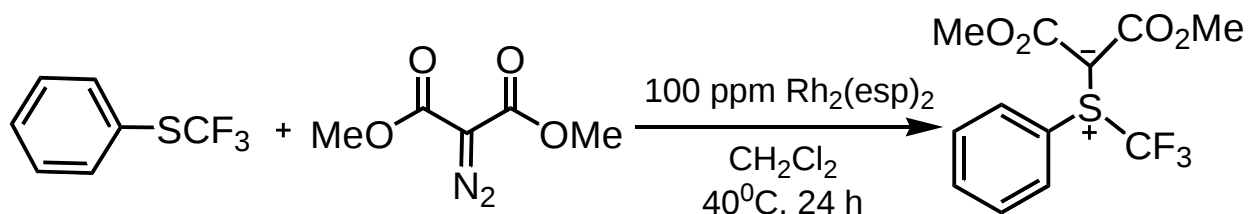
Chem. Commun., 2015, 51, 6761-6764



Trifluoromethyl-Substituted Sulfonium Ylide: Rh-Catalyzed Carbenoid Addition to Trifluoromethylthioether

Yafei Liu, Xinxin Shao, Panpan Zhang, Long Lu, and Qilong Shen

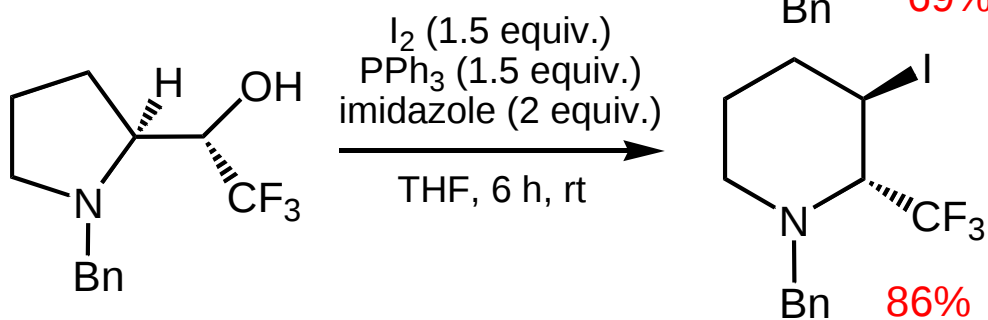
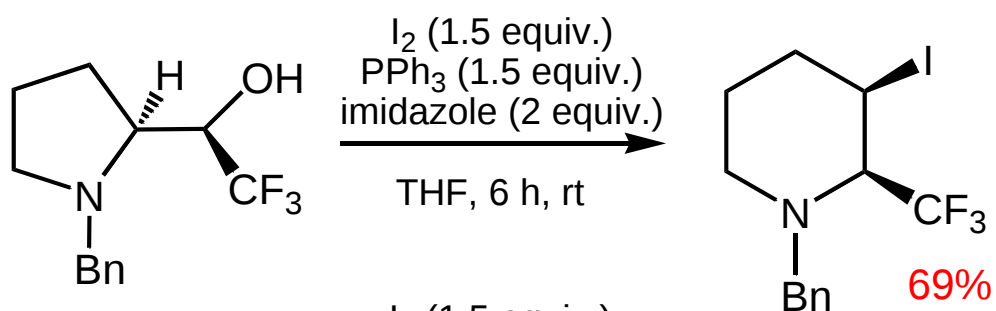
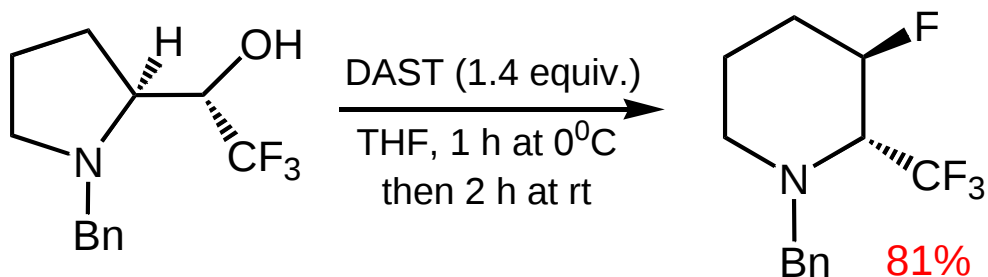
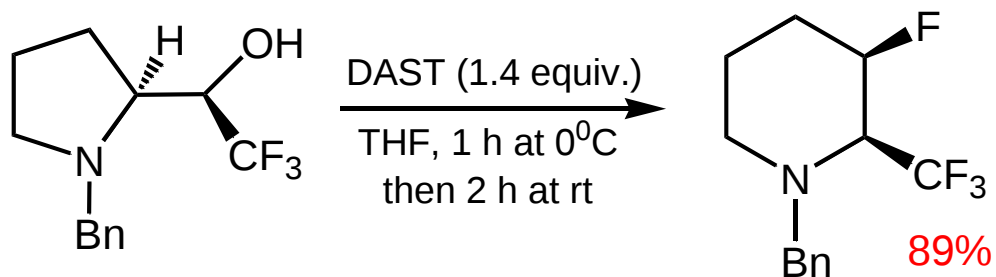
Org. Lett. 2015, 17, 2752–2755

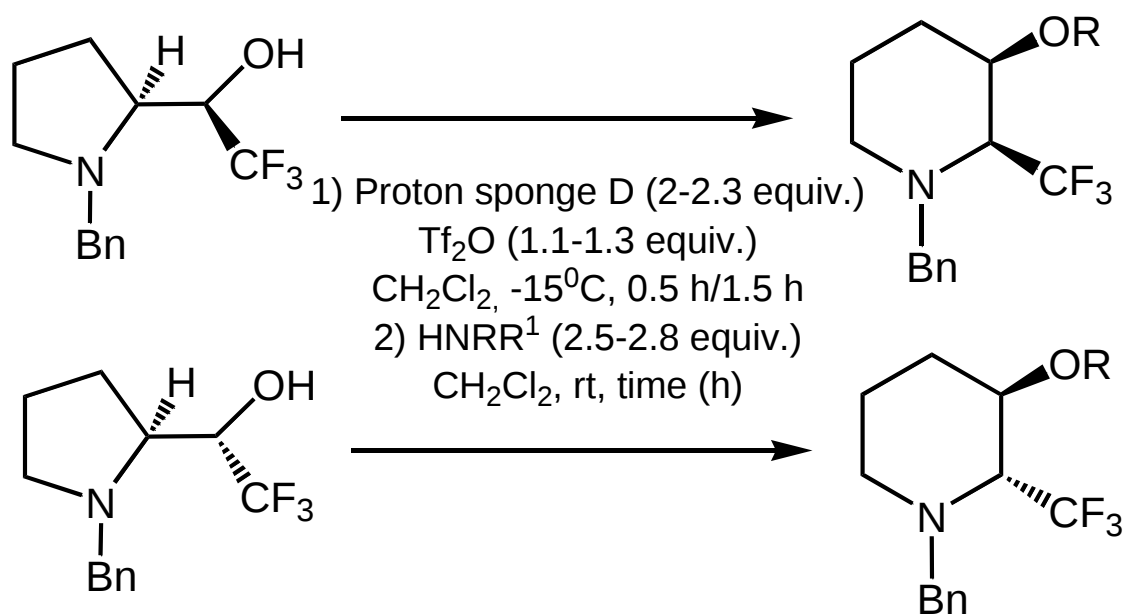
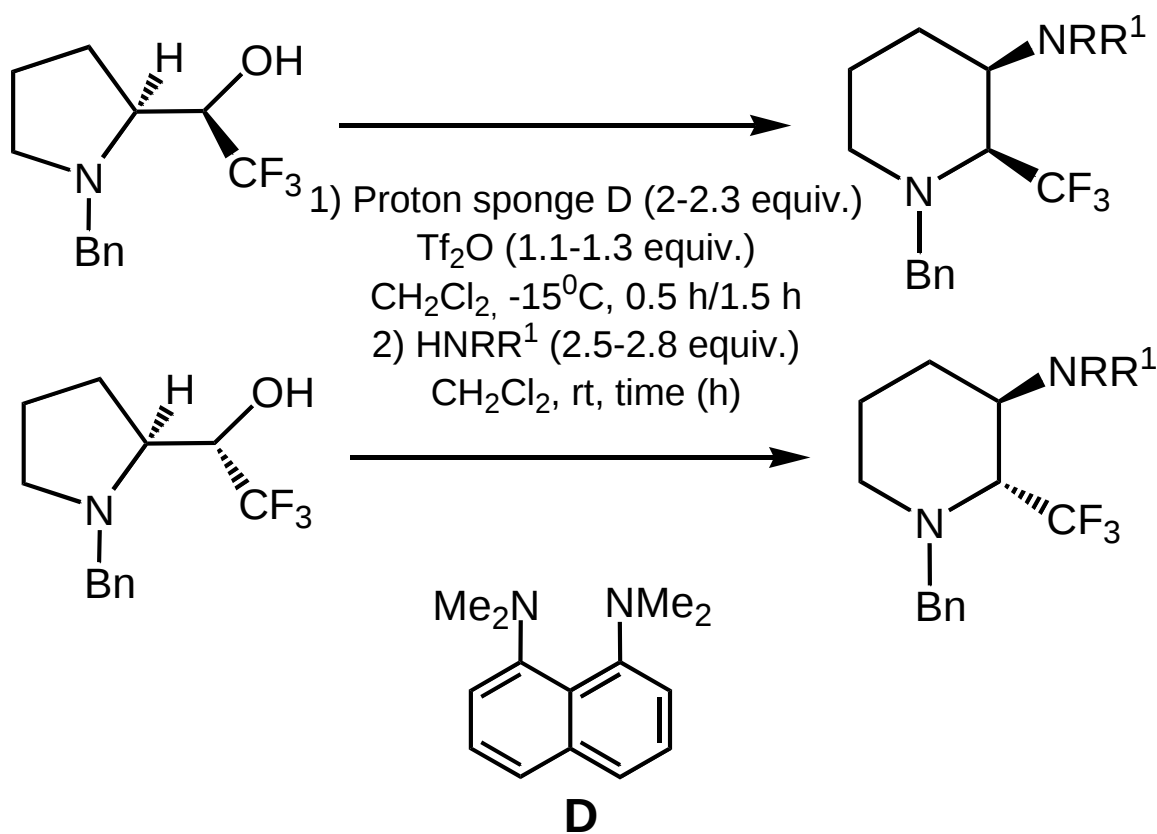


Stereoselective Rearrangement of (Trifluoromethyl)prolinols to Enantioenriched 3-Substituted 2-(Trifluoromethyl)piperidines

Sarah Riota, Aurélie Orliac, Zeina Antoun, Roselyne Bidault, Domingo Gomez Pardo and Janine Cossy

Org. Lett. 2015, 17, 2916–2919

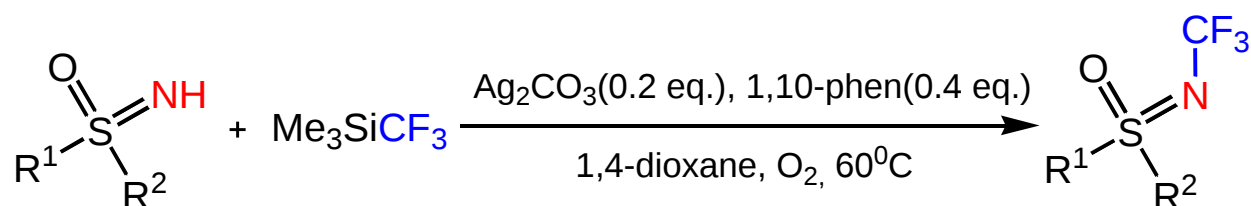




Silver-Mediated N-Trifluoromethylation of Sulfoximines

Fan Teng, Jiang Cheng, and Carsten Bolm

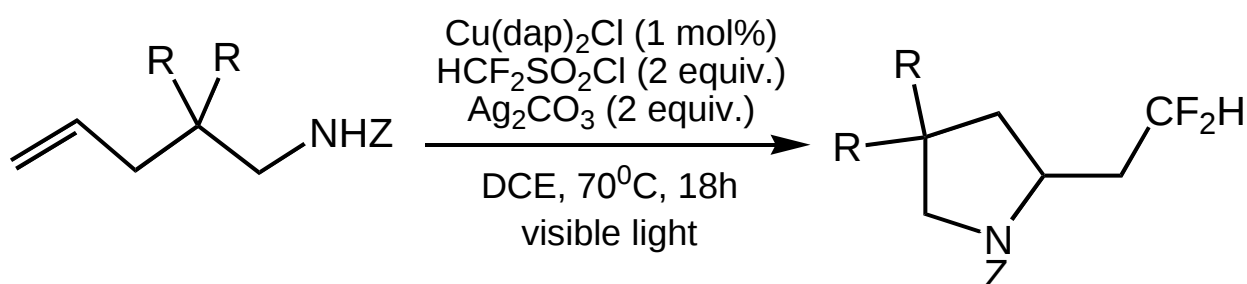
Org. Lett. 2015, 17, 3166–3169



Photoredox-Catalyzed Intramolecular Aminodifluoromethylation of Unactivated Alkenes

Zuxiao Zhang, Xiaojun Tang, Charles S. Thomason, and William R. Dolbier, Jr.

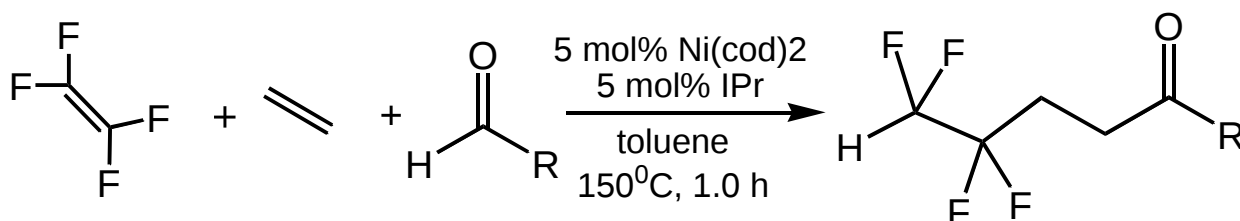
Org. Lett. 2015, 17, 3528–3531



Nickel-Catalyzed Formation of Fluorine-Containing Ketones via the Selective Cross-Trimerization Reaction of Tetrafluoroethylene, Ethylene, and Aldehydes

Masato Ohashi, Hiroshi Shirataki, Kotaro Kikushima, and Sensuke Ogoshi

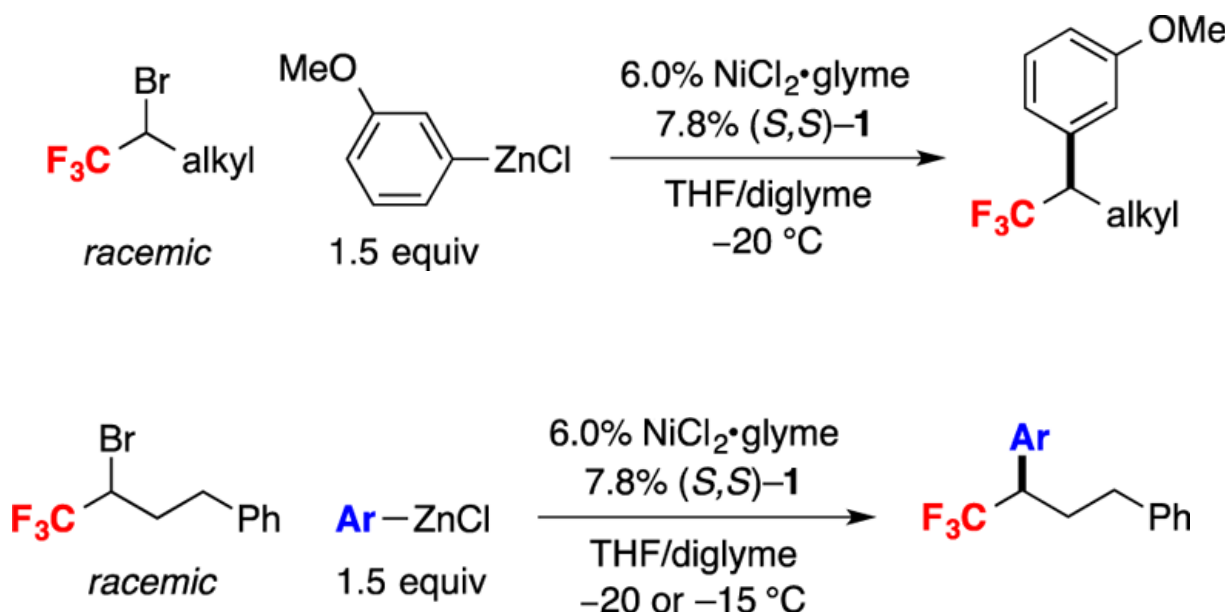
J. Am. Chem. Soc. 2015, 137, 6496–6499

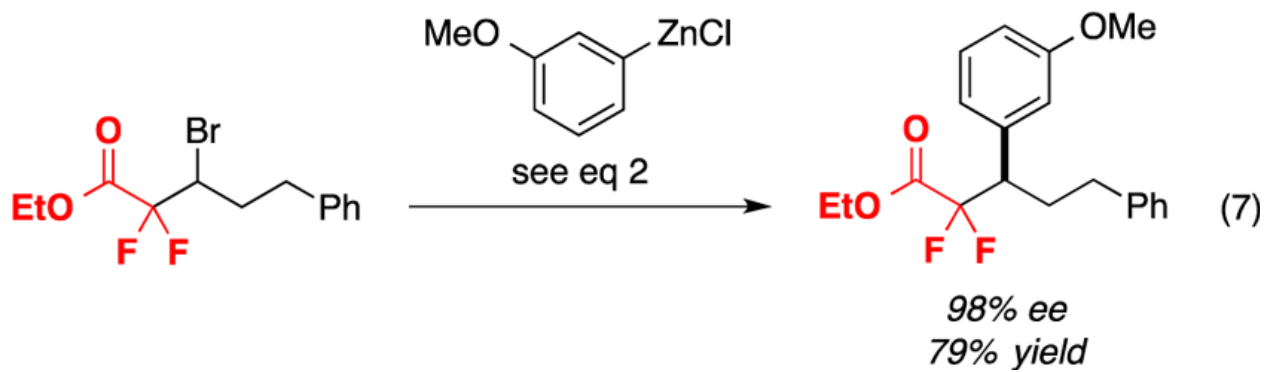
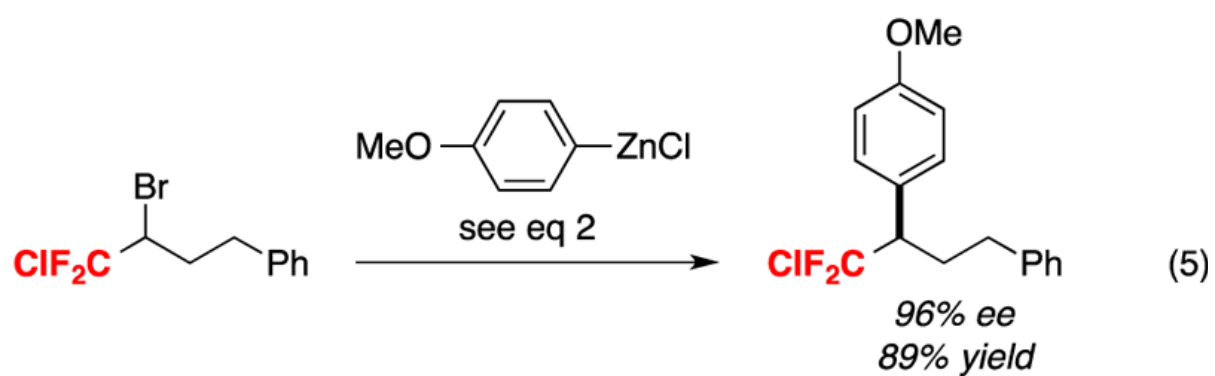
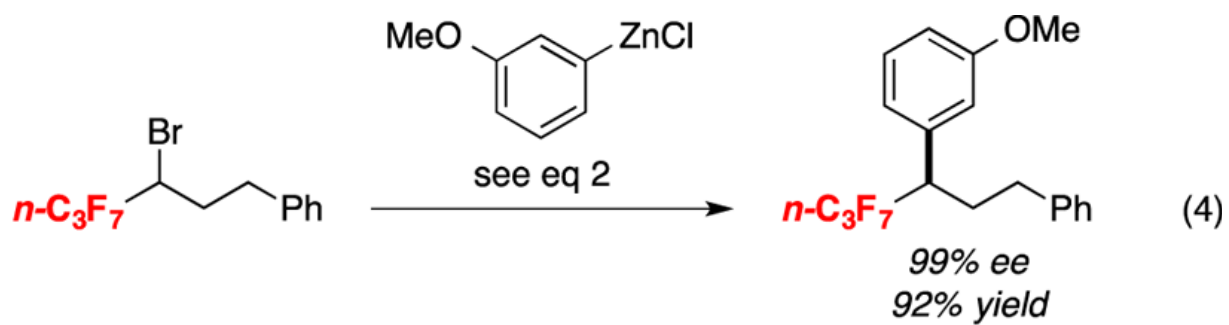


Stereoconvergent Negishi Arylations of Racemic Secondary Alkyl Electrophiles: Differentiating between a CF_3 and an Alkyl Group

Yufan Liang and Gregory C. Fu

J. Am. Chem. Soc. 2015, 137, 9523–9526





PyFluor: A Low-Cost, Stable, and Selective Deoxyfluorination Reagent

Matthew K. Nielsen, Christian R. Ugaz, Wenping Li and Abigail G. Doyle

J. Am. Chem. Soc. 2015, 137, 9523–9526

