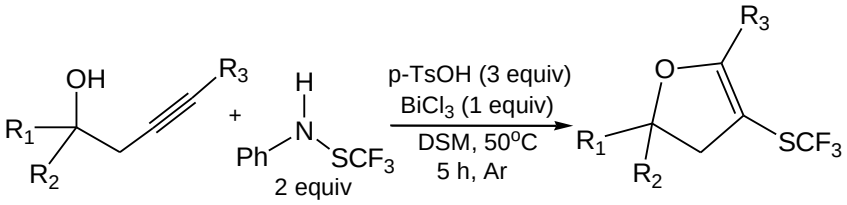
Chemical Communications

Regioselective access to CF_3S-substituted dihydrofurans from homopropargylic alcohols with trifluoromethanesulfenamide

Dao-Qian Chen, Pin Gao, Ping-Xin Zhou, Xian-Rong Song, Yi-Feng Qiu, Xue-Yuan Liu* and Yong-Min Liang

Chem. Comn., 2015, 51, 6637-6639

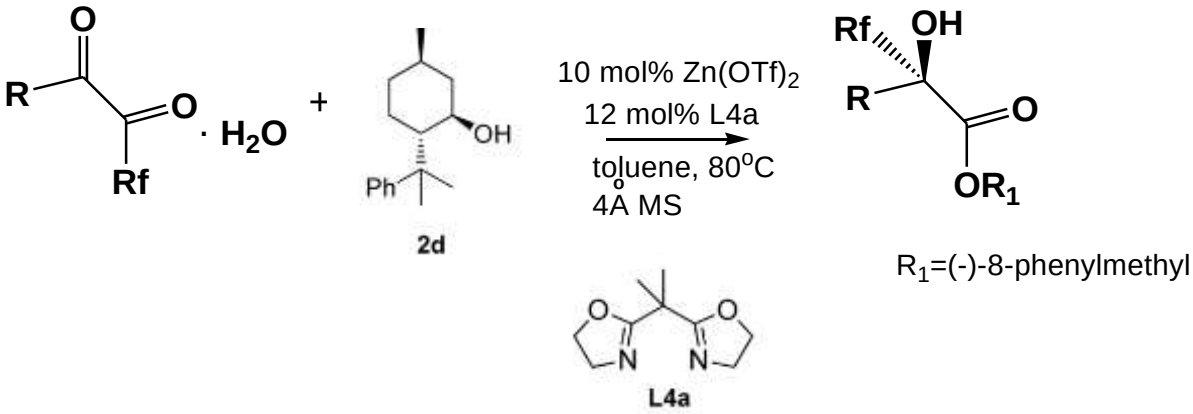


J. Am. Chem. Soc.

Asymmetric 1,2-Perfluoroalkyl Migration: Easy Access to Enantioenriched α-Hydroxy-α-perfluoroalkyl Esters

Pan Wang, † Liang-Wen Feng, † Lijia Wang, † Jun-Fang Li, † Saihu Liao, † and Yong Tang*, † , ‡

J. Am. Chem. Soc. 2015, 137, 4626−4629



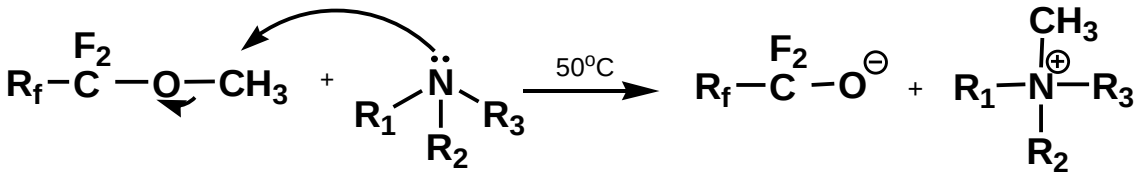
Angew. Chem. Int. Ed.

A Convenient Route to Tetraalkylammonium Perfluoroalkoxides from Hydrofluoroethers**

Benson J. Jelier, Jon L. Howell, Craig D. Montgomery, Daniel B. Leznoff, and Chadron M. Friesen*

Angew. Chem. Int. Ed. 2015, 54, 2945 –2949

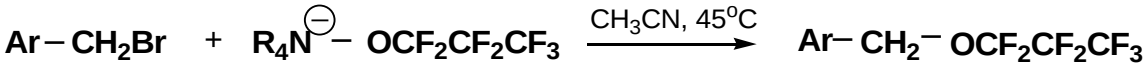
Substrate scope for the methylation of tertiary amines by hydrofluoroethers.[



(a) $R_f = CF_2CF_2$
(b) $R_f = CF_2CF_2CF_3$ and $CF(CF_3)_2$

1a -12 a
1b - 12b

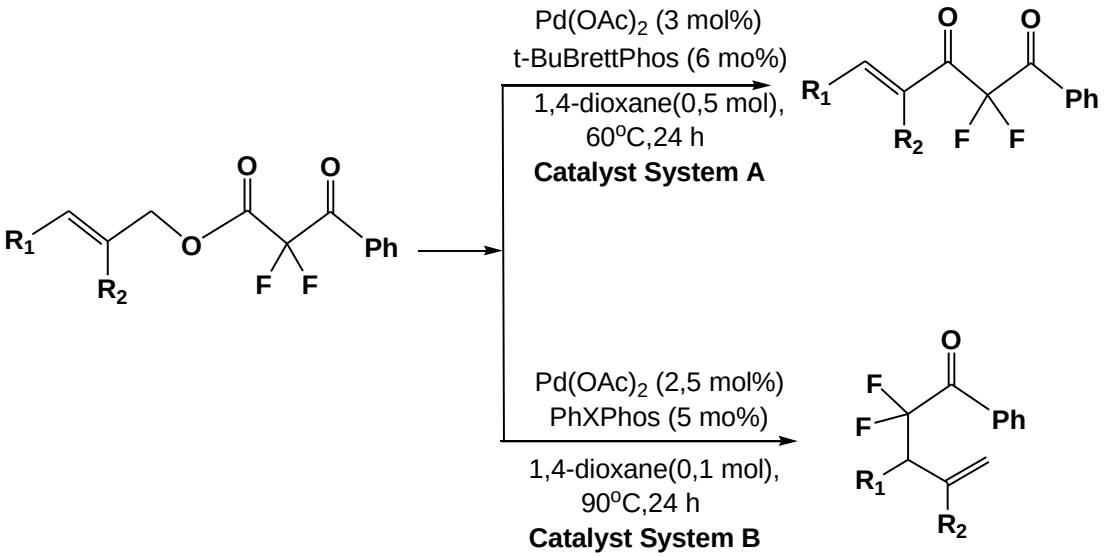
Perfluoroalkoxylation of alkyl bromides with $NMe_4OCF_2CF_2CF_3$ at 45 °C in CH_3CN

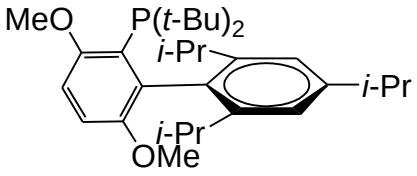


Ligand-Controlled Regiodivergent Palladium-Catalyzed Decarboxylative Allylation Reaction to Access α,α-Difluoroketones**

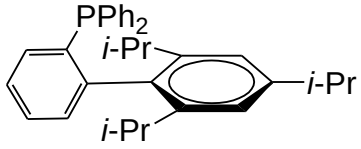
Ming-Hsiu Yang, Douglas L. Orsi, and Ryan A. Altman*

Angew. Chem. Int. Ed. 2015, 54, 2361 –2365





t-BuBrettPhos

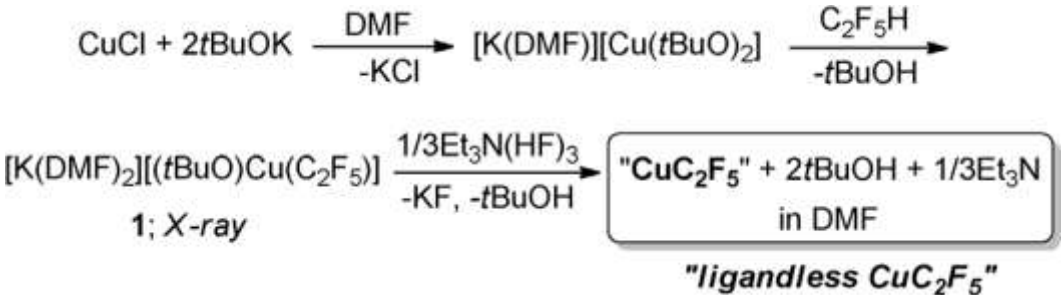


PXPhos

Well-Defined CuC_2F_5 Complexes and Pentafluoroethylation of Acid Chlorides**

Liubov I. Panferova, Fedor M. Miloserdov, Anton Lishchynskyi, Marta Mart_nez Belmonte, Jordi Benet-Buchholz, and Vladimir V. Grushin*

Angew. Chem. Int. Ed. 2015, 54, 5218 –5222

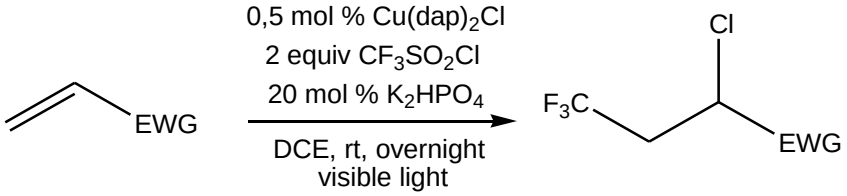


Efficient Cu-catalyzed Atom Transfer Radical Addition Reactions of Fluoroalkylsulfonyl Chlorides with Electron-deficient Alkenes Induced by Visible Light**

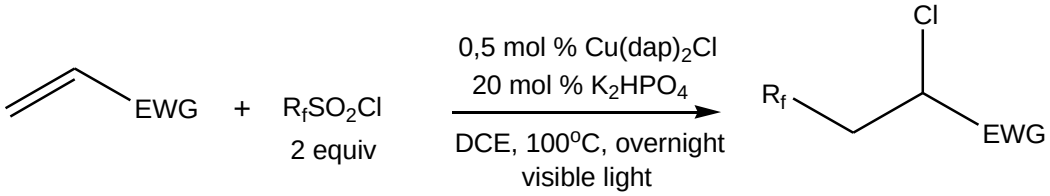
Xiao-Jun Tang and William R. Dolbier, Jr.*

Angew. Chem. Int. Ed. 2015, 54, 4246 –4249

Reactions of CF_3SO_2Cl with electron-deficient alkenes.



Reactions of R_fSO_2Cl with electron-deficient alkenes.



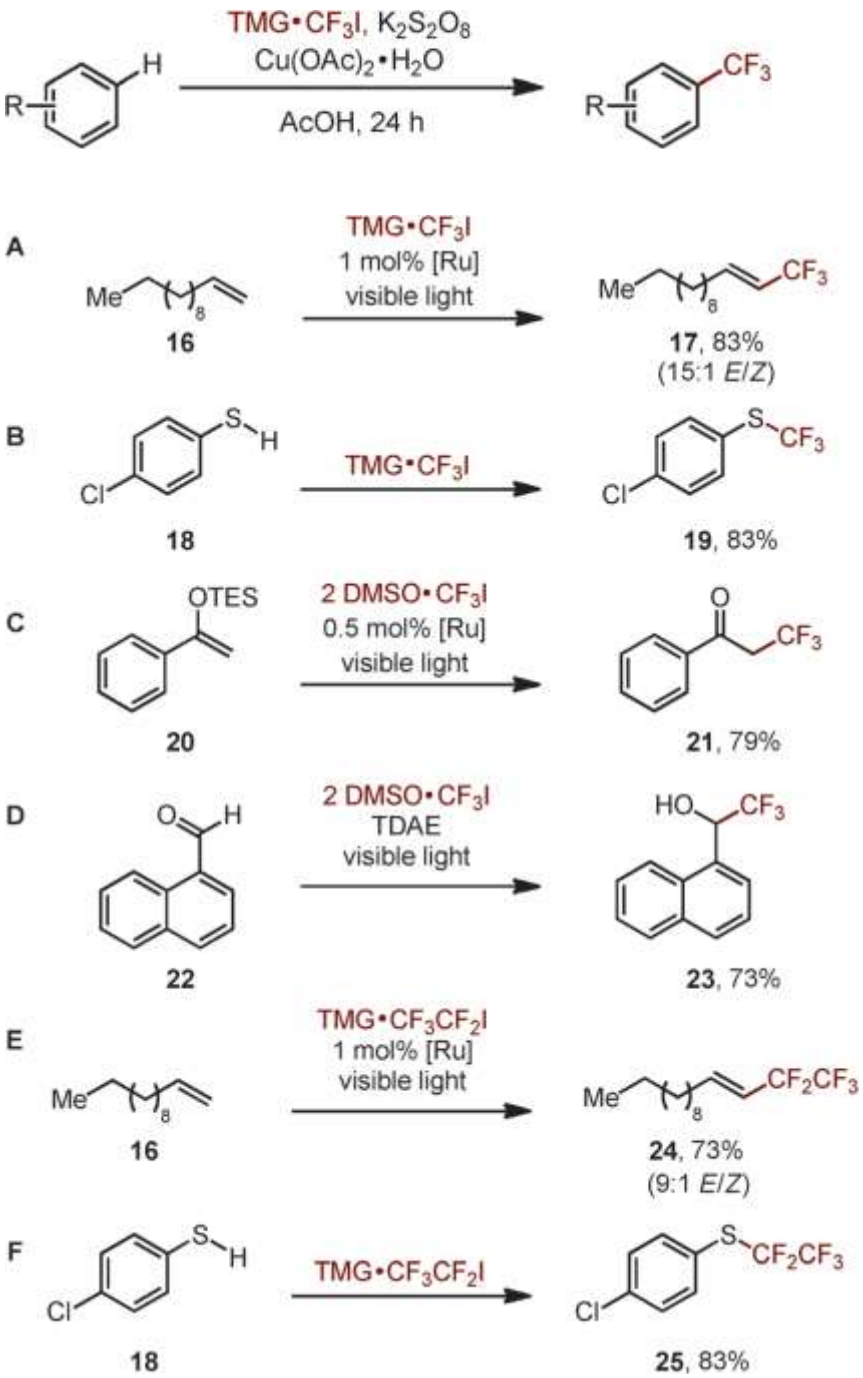
$R_f = C_4F_9$, CF_2H, CH_2F, CF_3CH_2

dap=2,9-bis(4-methoxyphenyl)-1,10-phenanthroline, DCE=1,2-dichloroethane

Condensed-Phase, Halogen-Bonded CF_3I and C_2F_5I Adducts for Perfluoroalkylation Reactions**

Filippo Sladojevich, Eric McNeill, Jonas Bɜrgel, Shao-Liang Zheng, and Tobias Ritter*

Angew. Chem. Int. Ed. 2015, 54, 3712-3716



TMG = tetramethylguanidine

[Ru]=[Ru(bipy)3]Cl_2·6H_2O. TDAE=tetrakis(dimethylamino)ethylene

TDAE=tetrakis(dimethylamino)ethylene.

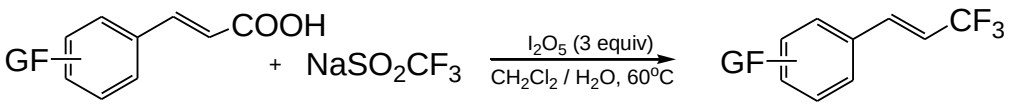
Tetrahedron Letters

An I_2O_5-promoted decarboxylative trifluoromethylation of cinnamic Acids

Xiao-Jie Shang a,⇑, Zejiang Li b, Zhong-Quan Liu b,⇑

Tetrahedron Letters 2015, 56, 233–235

Trifluoromethylation of cinnamic acids by using $NaSO_2CF_3$ and I_2O_5

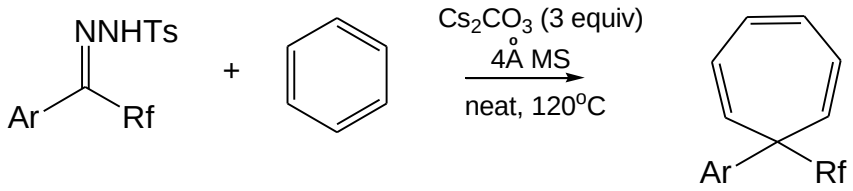


Synlett

Synthesis of Trifluoromethylated Cycloheptatrienes from N-Tosylhydrazones:Transition-Metal-Free Büchner Ring Expansion

Zhikun Zhanga, Jiajie Fenga, Yan Xua, Songnan Zhanga, Yuxuan Yea, Tianjiao Lia, Xi Wang*, Jun Chenb, Yan Zhanga, Jianbo Wang*

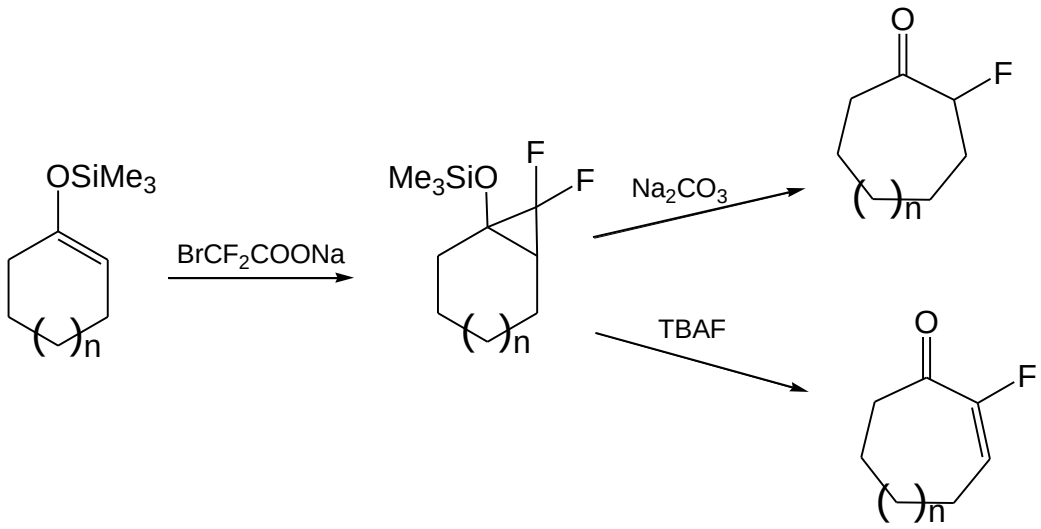
Synlett 2015, 26, 59–62



Highly Controlled Ring-Opening of Siloxydifluorocyclopropanes: A Versatile Route to Cyclic Fluoroketones

Yoshiya Kageshima, Chiharu Suzuki, Kojun Oshiro, Hideki Amii*

Synlett 2015, 26, 63-66

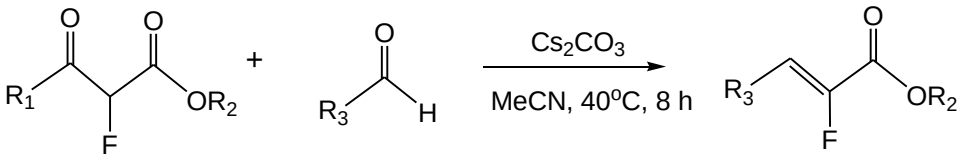


A Facile and Mild Approach for Stereoselective Synthesis of α-Fluoro-α,β-unsaturated Esters from α-Fluoro-β-keto Esters via Deacylation

Jinlong Qian, Wenbin Yi*, Meifang Lv, Chun Cai

Synlett 2015, 26, 127-132

High Stereoselective Olefination Reactions of Different α-Fluoro- β-keto Esters 1 with Different Aldehydes 2



1 2 3