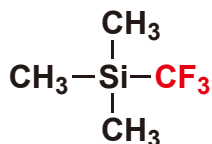


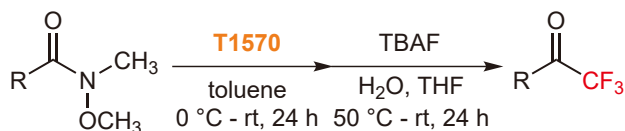
# Trifluoromethylating Reagents



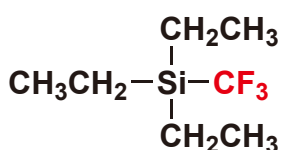
**Rupprecht-Prakash Reagent**

5g / 25g

[T1570]



Reference N. E. Leadbeater et al., *Chem. Commun.* **2012**, 48, 9610.  
<http://doi.org/10.1039/C2CC35037H>



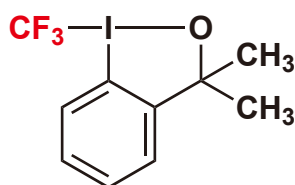
**Triethyl(trifluoromethyl)silane**

1g / 5g

[T2764]



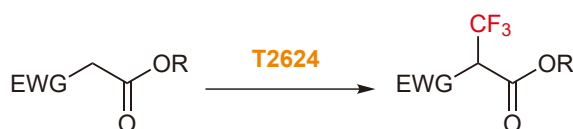
Reference H. Urata, T. Fuchikami, *Tetrahedron Lett.* **1991**, 32, 91.  
[https://doi.org/10.1016/S0040-4039\(00\)71226-3](https://doi.org/10.1016/S0040-4039(00)71226-3)



**Togni Reagent**

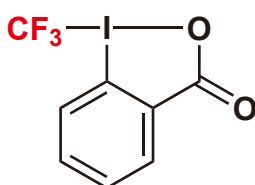
1g / 5g

[T2624]



(EWG: electron withdrawing group)

Reference A. Togni et al., *Angew. Chem. Int. Ed.* **2009**, 48, 4332.  
<https://doi.org/10.1002/anie.200900974>

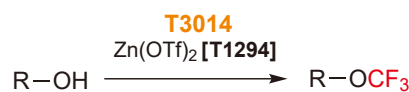


**Togni Reagent II**

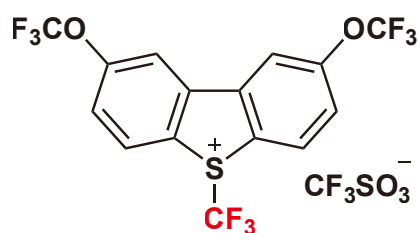
(contains 60% Diatomaceous earth)

1g / 5g

[T3014]



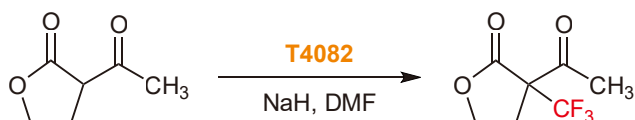
Reference A. Togni et al., *Angew. Chem. Int. Ed.* **2007**, 46, 754.  
<https://doi.org/10.1002/anie.200603497>



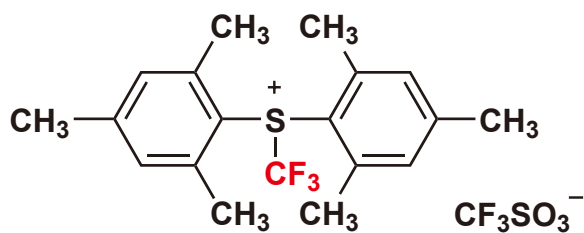
**Umemoto Reagent IV**

1g / 5g

[T4082]

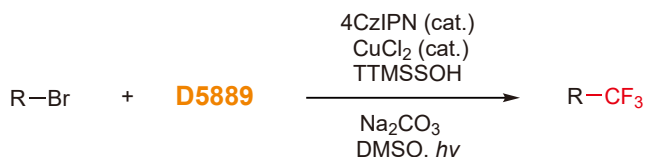


Reference T. Umemoto et al., *J. Fluor. Chem.* **2022**, 261-262, 110015.  
<https://doi.org/10.1016/j.jfluchem.2022.110015>

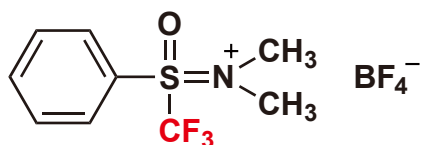


**Dimesityl(trifluoromethyl)sulfonium  
Trifluoromethanesulfonate**

1g / 10g  
[D5889]

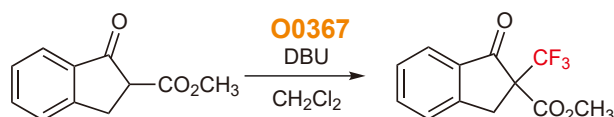


Reference D. J. P. Kornfilt, D. W. C. MacMillan, *J. Am. Chem. Soc.* **2019**, 141, 6853.  
<https://doi.org/10.1021/jacs.9b03024>

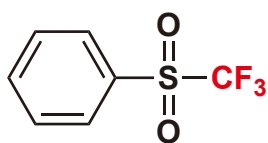


**Shibata Reagent I**

200mg / 1g  
[O0367]

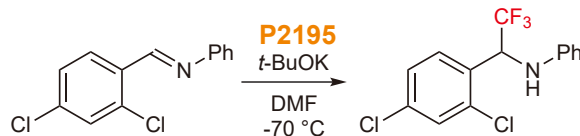


Reference N. Shibata et al., *Eur. J. Org. Chem.* **2008**, 3465.  
<https://doi.org/10.1002/ejoc.200800419>

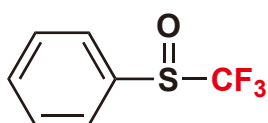


**Phenyl Trifluoromethyl  
Sulfone**

1g / 5g  
[P2195]

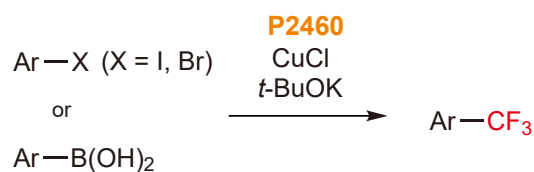


Reference G. K. S. Prakash et al., *Org. Lett.* **2010**, 12, 2932.  
<https://doi.org/10.1021/ol100918d>

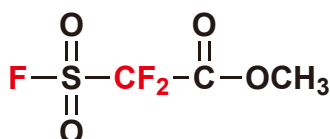


**Phenyl Trifluoromethyl  
Sulfoxide**

1g / 5g  
[P2460]

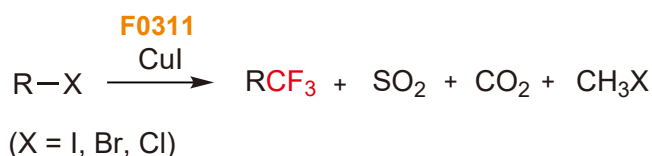


Reference J. Hu et al., *Org. Lett.* **2015**, 17, 298.  
<https://doi.org/10.1021/ol5034018>



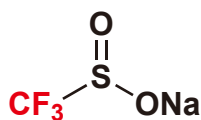
**Methyl  
Difluoro(fluorosulfonyl)acetate**

5g / 25g  
[F0311]



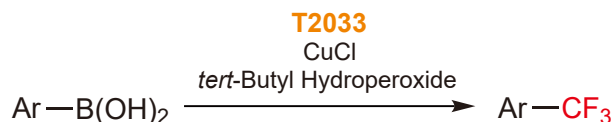
Reference Q.-Y. Chen, S.-W. Wu, *J. Chem. Soc., Chem. Commun.* **1989**, 705.  
<https://doi.org/10.1039/C39890000705>

# Trifluoromethylating Reagents

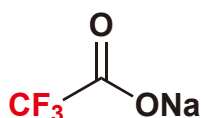


**Langlois Reagent**

5g / 25g  
[T2033]



Reference M. S. Sanford et al., *Org. Lett.* **2012**, 14, 4979.  
<https://doi.org/10.1021/ol3022726>

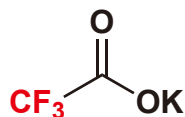


**Sodium Trifluoroacetate**

25g / 100g / 500g  
[T1336]

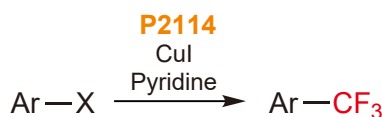


Reference K. Matsui, E. Tobita, M. Ando, K. Kondo, *Chem. Lett.* **1981**, 1719.  
<https://doi.org/10.1246/cl.1981.1719>

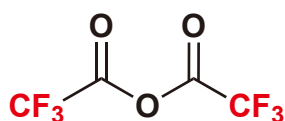


**Potassium Trifluoroacetate**

25g / 100g  
[P2114]

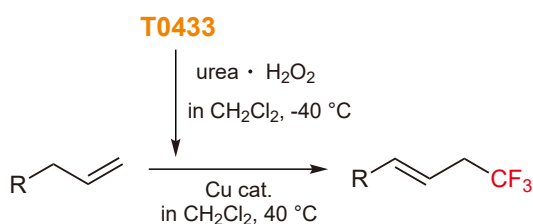


Reference S. L. Bachwald et al., *Angew. Chem. Int. Ed.* **2013**, 52, 11628.  
<https://doi.org/10.1002/anie.201306094>

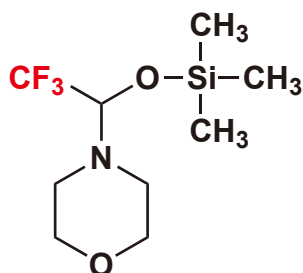


**Trifluoroacetic Anhydride**

20mL / 100mL / 400mL  
[T0433]

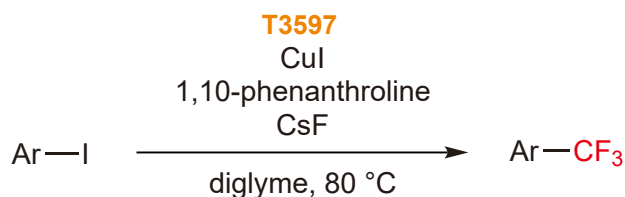


Reference M. Sodeoka et al., *Angew. Chem. Int. Ed.* **2016**, 55, 8740.  
<https://doi.org/10.1002/anie.201604127>



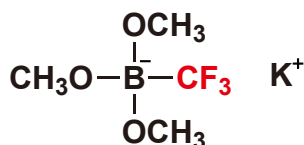
**4-[2,2,2-Trifluoro-1-[(trimethylsilyl)oxy]ethyl]morpholine**

1g / 5g  
[T3597]

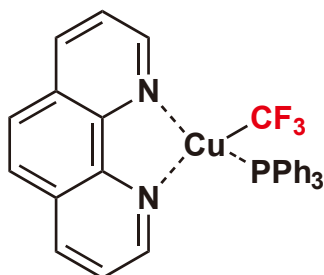


Reference H. Kondo, M. Oishi, K. Fujikawa, H. Amii, *Adv. Synth. Catal.* **2011**, 353, 1247.  
<https://doi.org/10.1002/adsc.201000825>

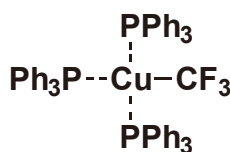
# Trifluoromethylating Reagents



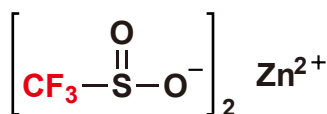
**Potassium Trimethoxy(trifluoromethyl)borate**  
5g / 25g  
[P2036]



**(1,10-Phenanthroline)(trifluoromethyl)-(triphenylphosphine)copper(I)**  
1g / 5g  
[P2172]



**(Trifluoromethyl)tris(triphenylphosphine)copper(I)**  
1g / 5g  
[T2883]



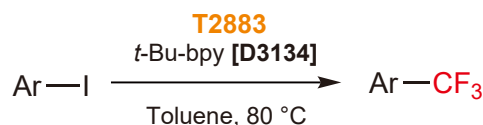
**Zinc(II) Trifluoromethanesulfinate**  
1g / 5g  
[Z0028]



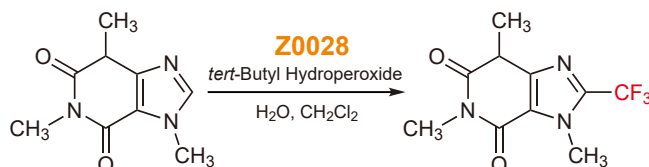
Reference A. D. Dilman et al., *Tetrahedron Lett.* **2011**, 52, 281.  
<https://doi.org/10.1016/j.tetlet.2010.11.025>



Reference V. V. Grushin et al., *Angew. Chem. Int. Ed.* **2011**, 50, 7655.  
<https://doi.org/10.1002/anie.201101577>



Reference V. V. Grushin et al., *Angew. Chem. Int. Ed.* **2011**, 50, 7655.  
<https://doi.org/10.1002/anie.201101577>



Reference P. S. Baran et al., *Nature* **2012**, 492, 95.  
<https://doi.org/10.1038/nature11680>

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