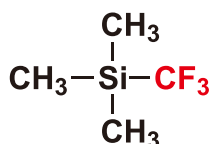
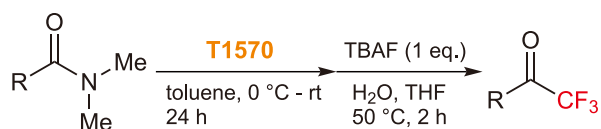


Trifluoromethylating Reagents

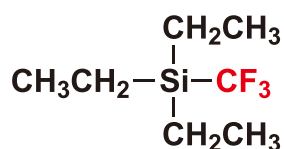


Ruppert-Prakash Reagent

5g / 25g
[T1570]



N. E. Leadbeater et al., *Chem. Commun.* **2012**, 48, 9610.

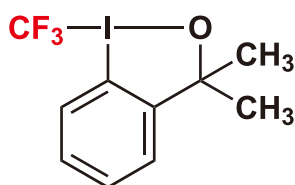


Triethyl(trifluoromethyl)silane

1g / 5g
[T2764]

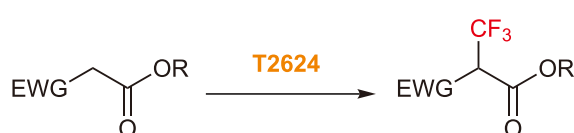


H. Urata, T. Fuchikami, *Tetrahedron Lett.* **1991**, 32, 91.



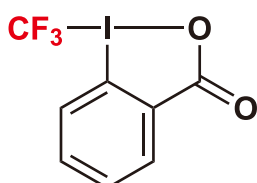
Togni Reagent

1g / 5g
[T2624]



(EWG: electron withdrawing group)

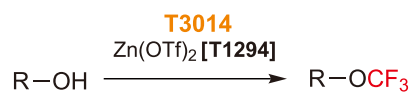
A. Togni et al., *Angew. Chem. Int. Ed.* **2009**, 48, 4332.



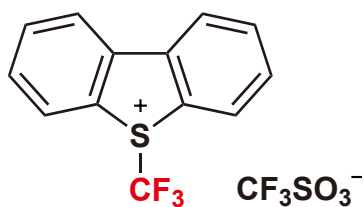
Togni Reagent II

(contains 60% Diatomaceous earth)

1g / 5g
[T3014]



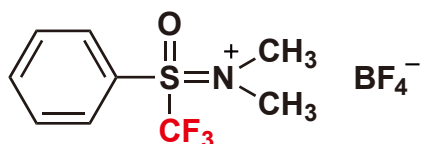
A. Togni et al., *Angew. Chem. Int. Ed.* **2007**, 46, 754.



Umemoto's Reagent II

5g / 25g

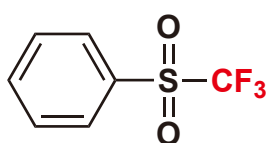
New [D5335]



Shibata Reagent I

200mg / 1g

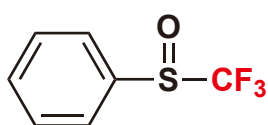
[O0367]



Phenyl Trifluoromethyl Sulfone

1g / 5g

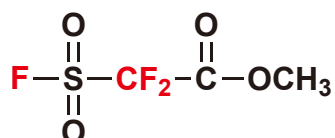
[P2195]



Phenyl Trifluoromethyl Sulfoxide

1g / 5g

New [P2460]



Methyl Difluoro(fluorosulfonyl)acetate

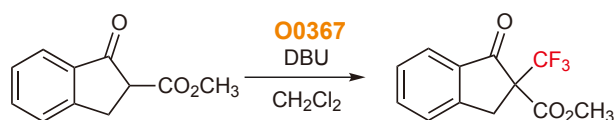
5g / 25g

[F0311]

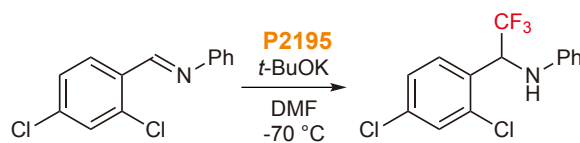


TBAI: Tetrabutylammonium iodide

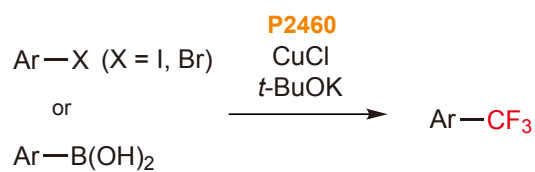
T. Umemoto *et al.*, PCT Int. Appl. WO 2016107578, 2016.



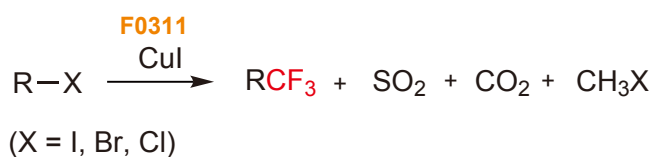
N. Shibata *et al.*, *Eur. J. Org. Chem.* **2008**, 3465.



G. K. S. Prakash *et al.*, *Org. Lett.* **2010**, 12, 2932.

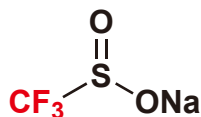


J. Hu *et al.*, *Org. Lett.* **2015**, 17, 298.



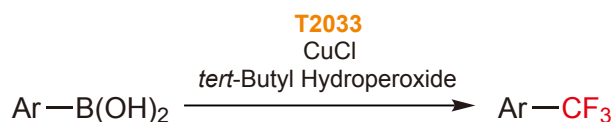
Q.-Y. Chen, S.-W. Wu, *J. Chem. Soc., Chem. Commun.* **1989**, 705.

Trifluoromethylating Reagents

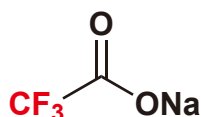


Langlois Reagent

5g / 25g
[T2033]



M. S. Sanford *et al.*, *Org. Lett.* 2012, 14, 4979.

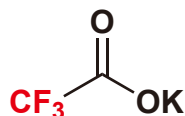


Sodium Trifluoroacetate

25g / 100g / 500g
[T1336]



K. Matsui, E. Tobita, M. Ando, K. Kondo, *Chem. Lett.* 1981, 1719.

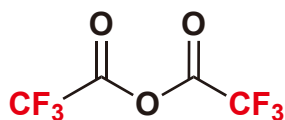


Potassium Trifluoroacetate

25g
[P2114]

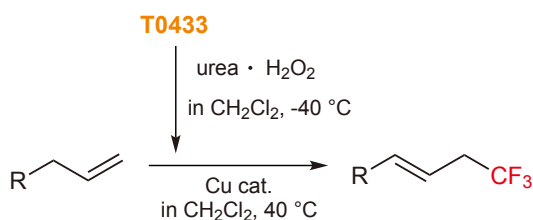


S. L. Bachwald *et al.*, *Angew. Chem. Int. Ed.* 2013, 52, 11628.

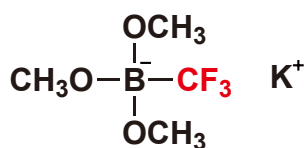


Trifluoroacetic Anhydride

20mL / 100mL / 400mL
[T0433]



M. Sodeoka *et al.*, *Angew. Chem. Int. Ed.* 2016, 55, 8740.



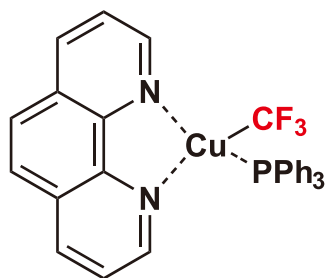
Potassium Trimethoxy(trifluoromethyl)borate

5g / 25g
New [P2036]



A. D. Dilman *et al.*, *Tetrahedron Lett.* 2011, 52, 281.

Trifluoromethylating Reagents

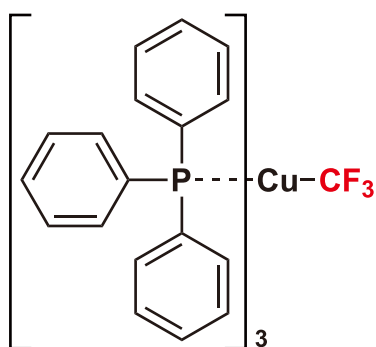


**(1,10-Phenanthroline)(trifluoromethyl)-
(triphenylphosphine)copper(I)**

1g / 5g
[P2172]

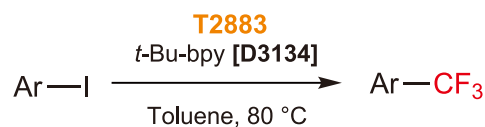


V. V. Grushin et al., *Angew. Chem. Int. Ed.* **2011**, 50, 7655.

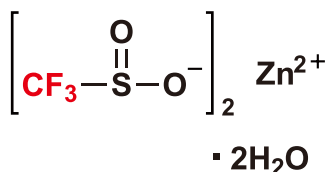


**(Trifluoromethyl)tris(triphenyl-
phosphine)copper(I)**

1g / 5g
[T2883]

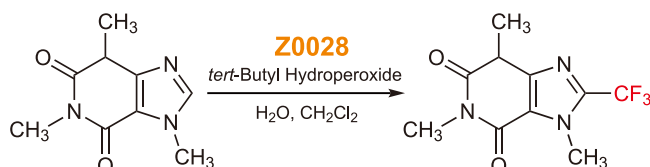


V. V. Grushin et al., *Angew. Chem. Int. Ed.* **2011**, 50, 7655.



TFMS Dihydrate

1g / 5g
[Z0028]



P. S. Baran et al., *Nature* **2012**, 492, 95.

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