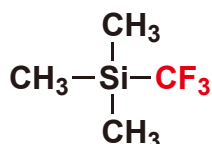
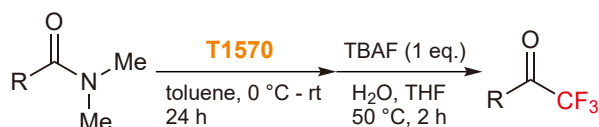


Trifluoromethylating Reagents

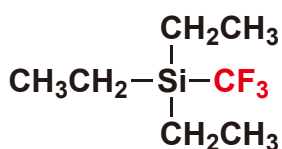


Ruppert-Prakash Reagent

5g / 25g
[T1570]



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

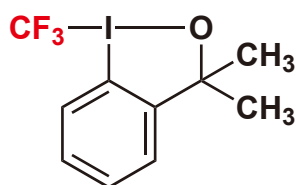


Triethyl(trifluoromethyl)silane

1g / 5g
[T2764]



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



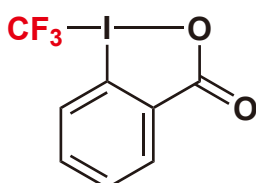
Togni Reagent

1g / 5g
[T2624]



(EWG: electron withdrawing group)

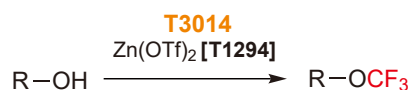
A. Togni *et al.*, *Angew. Chem. Int. Ed.* **2009**, 48, 4332.



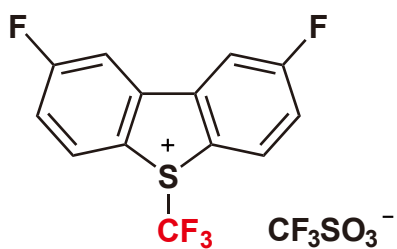
Togni Reagent II

(contains 60% Diatomaceous earth)

1g / 5g
[T3014]



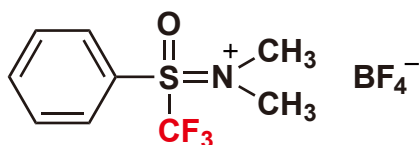
A. Togni *et al.*, *Angew. Chem. Int. Ed.* **2007**, 46, 754.



Umemoto's Reagent II

5g / 25g

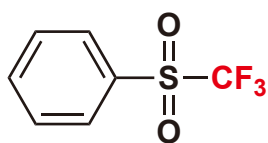
[D5335]



Shibata Reagent I

200mg / 1g

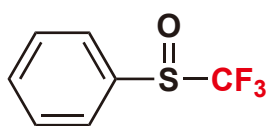
[O0367]



Phenyl Trifluoromethyl Sulfone

1g / 5g

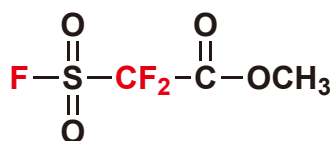
[P2195]



Phenyl Trifluoromethyl Sulfoxide

1g / 5g

[P2460]



Methyl Difluoro(fluorosulfonyl)acetate

5g / 25g

[F0311]

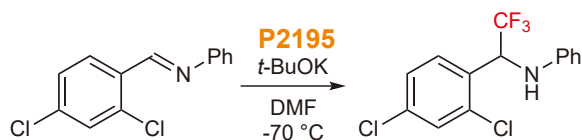


TBAI: Tetrabutylammonium iodide

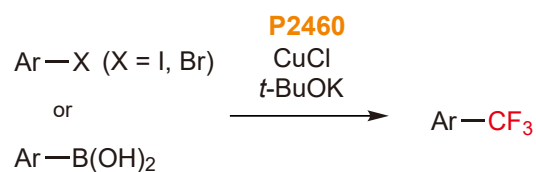
T. Umemoto, B. Zhang, T. Zhu, X. Zhou, P. Zhang, S. Hu, Y. Li, *J. Org. Chem.* **2017**, *82*, 7708.



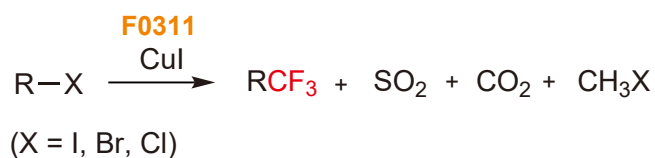
N. Shibata *et al.*, *Eur. J. Org. Chem.* **2008**, 3465.



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

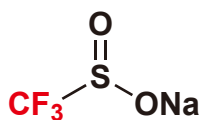


J. Hu *et al.*, *Org. Lett.* **2015**, *17*, 298.



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

Trifluoromethylating Reagents



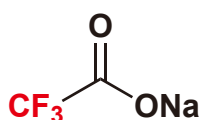
Langlois Reagent

5g / 25g

[T2033]



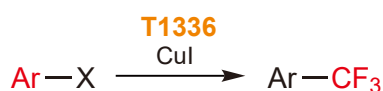
M. S. Sanford et al., *Org. Lett.* **2012**, *14*, 4979.



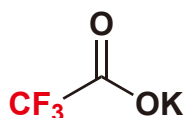
Sodium Trifluoroacetate

25g / 100g / 500g

[T1336]



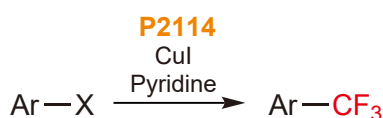
K. Matsui, E. Tobita, M. Ando, K. Kondo, *Chem. Lett.* **1981**, 1719.



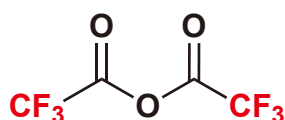
Potassium Trifluoroacetate

25g / 100g

[P2114]



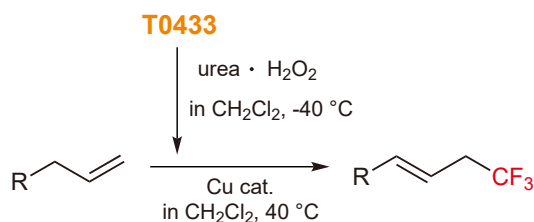
S. L. Bachwald et al., *Angew. Chem. Int. Ed.* **2013**, *52*, 11628.



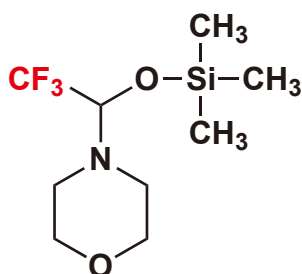
Trifluoroacetic Anhydride

20mL / 100mL / 400mL

[T0433]



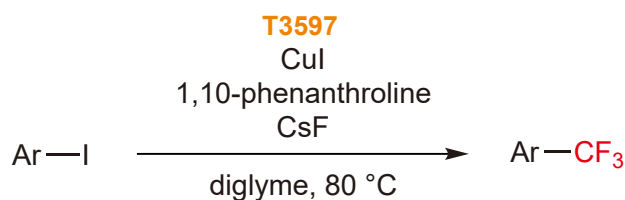
M. Sodeoka et al., *Angew. Chem. Int. Ed.* **2016**, *55*, 8740.



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

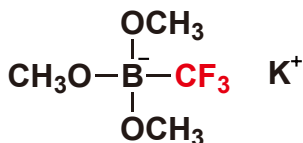
1g / 5g

[T3597]



H. Kondo, M. Oishi, K. Fujikawa, H. Amii, *Adv. Synth. Catal.* **2011**, *353*, 1247.

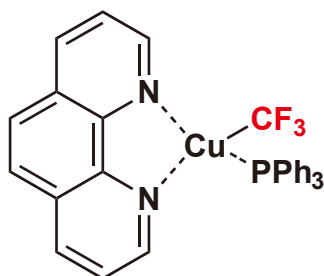
Trifluoromethylating Reagents



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



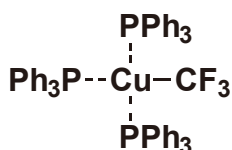
A. D. Dilman *et al.*, *Tetrahedron Lett.* **2011**, 52, 281.



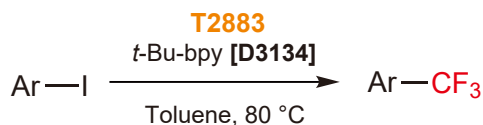
(1,10-Phenanthroline)(trifluoromethyl)-(triphenylphosphine)copper(I)
1g / 5g
[P2172]



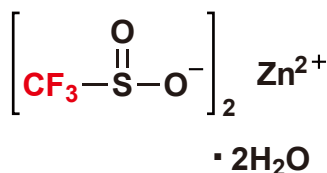
V. V. Grushin *et al.*, *Angew. Chem. Int. Ed.* **2011**, 50, 7655.



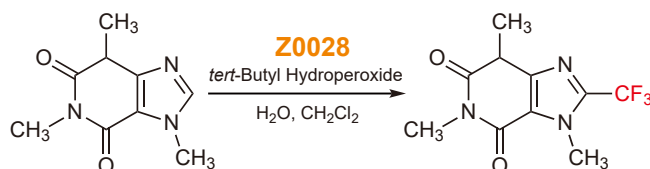
(Trifluoromethyl)tris(triphenylphosphine)copper(I)
1g / 5g
[T2883]



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.

For further information please refer to our website at www.TCIchemicals.com.

trifluoromethylation



Ordering and Customer Service

TCI AMERICA

Tel : 800-423-8616 / 503-283-1681
Fax : 888-520-1075 / 503-283-1987
E-mail : Sales-US@TCIchemicals.com

TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00
Fax : +32 (0)3 735 07 01
E-mail : Sales-EU@TCIchemicals.com

TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00
Fax : +49 (0)6196 64053-01
E-mail : Sales-DE@TCIchemicals.com

Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 784560
Fax : +44 (0)1865 784561
E-mail : Sales-UK@TCIchemicals.com

TCI Chemicals (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909
Fax : 044-2262 8902
E-mail : Sales-IN@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
Fax : +81 (0)3-5640-8902
E-mail : globalbusiness@TCIchemicals.com

Availability, price or specification of the listed products are subject to change without prior notice. Reproduction forbidden without the prior written consent of Tokyo Chemical Industry Co., Ltd.