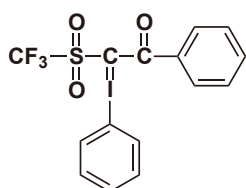
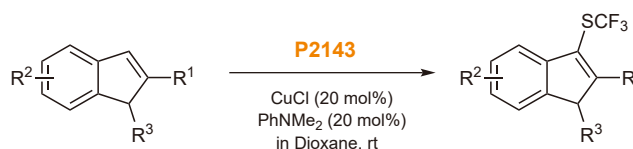


Trifluoromethylthiolation Reagents

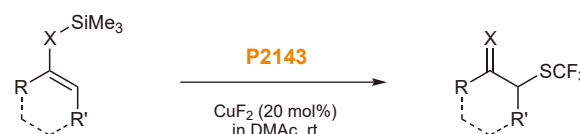
The trifluoromethylthio group has attracted attention as a potentially-significant functional group in the pharmaceutical and agrochemical fields because of its strong electron-withdrawing effect and high lipophilicity.



Shibata Reagent II
1g / 5g
[P2143]

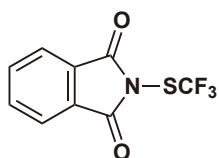


Reference: N. Shibata et al., *J. Am. Chem. Soc.* **2013**, 135, 8782. <https://doi.org/10.1021/ja402455f>

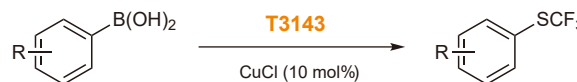


X = CH₂, O

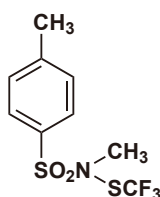
Reference: N. Shibata et al., *Org. Lett.* **2015**, 7, 1063. <https://doi.org/10.1021/acs.orglett.5b00057>



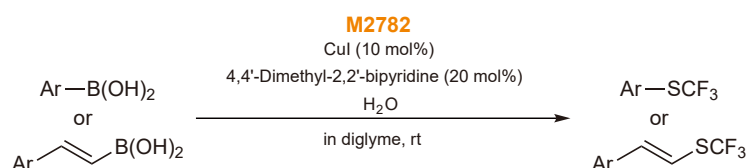
**N-(Trifluoromethylthio)-
phthalimide**
1g / 5g
[T3143]



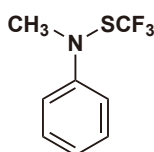
Reference: M. Rueping et al., *Angew. Chem. Int. Ed.* **2014**, 53, 1650. <https://doi.org/10.1002/anie.201307484>



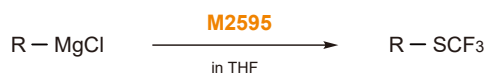
**N-Methyl-N-[(trifluoromethylthio)-
p-toluenesulfonamide**
1g / 5g
[M2782]



Reference: Q. Glenadel, S. Alazet, A. Tlili, T. Billard, *Chem. Eur. J.* **2015**, 21, 14694. <https://doi.org/10.1002/chem.201502338>

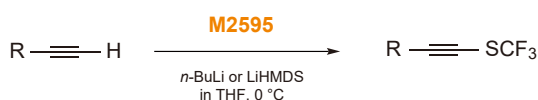


**N-Methyl-
N-(trifluoromethylthio)aniline**
200mg / 1g
[M2595]



R = Aryl, Alkyl

Reference: T. Billard et al., *Angew. Chem. Int. Ed.* **2012**, 51, 10382. <https://doi.org/10.1002/anie.201205156>

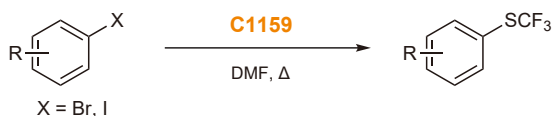


Reference: T. Billard et al., *Angew. Chem. Int. Ed.* **2013**, 52, 10814. <https://doi.org/10.1002/anie.201305179>

Trifluoromethylthiolation Reagents

CF₃SCu

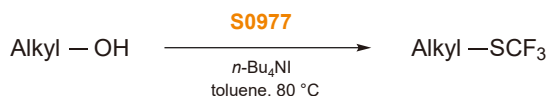
**Copper(I)
Trifluoromethanethiolate**
1g / 5g
[C1159]



Reference: D. C. Remy et al., *J. Org. Chem.* **1976**, *41*, 1644. <https://doi.org/10.1021/jo00871a037>

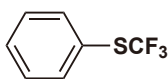
CF₃SAg

**Silver(I)
Trifluoromethanethiolate**
1g / 5g
[S0977]

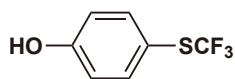


Reference: F. Qing et al., *Angew. Chem. Int. Ed.* **2015**, *54*, 897. <https://doi.org/10.1002/anie.201409983>

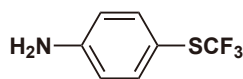
Trifluoromethylthiolated Building Blocks



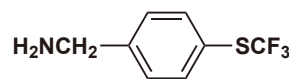
**(Trifluoromethylthio)-
benzene**
5g / 25g
[P1693]



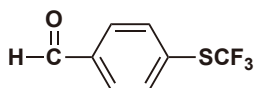
**4-(Trifluoromethylthio)-
phenol**
5g / 25g
[T2458]



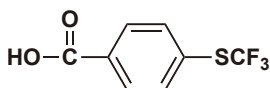
**4-(Trifluoromethylthio)-
aniline**
5g / 25g
[T2775]



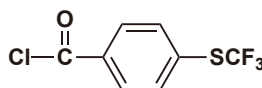
**4-(Trifluoromethylthio)-
benzylamine**
1g / 5g
[T2763]



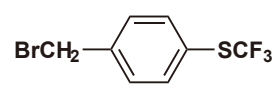
**4-(Trifluoromethylthio)-
benzaldehyde**
5g / 25g
[T2405]



**4-(Trifluoromethylthio)-
benzoic Acid**
5g / 25g
[T2390]



**4-(Trifluoromethylthio)-
benzoyl Chloride**
5g
[T2745]



**4-(Trifluoromethylthio)-
benzyl Bromide**
1g / 5g
[T2391]

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Tel : 800-988-0390 / 021-67121386
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