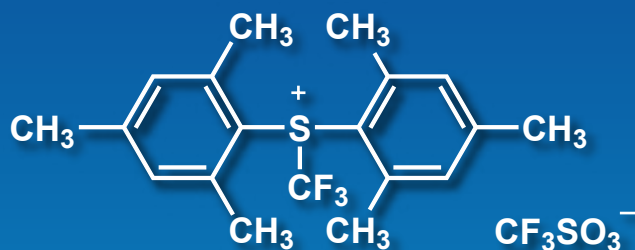


New

CHEMISTRY

TCI

Sulfonium Salt for Both Trifluoromethylation and Mesitylation



Dimesityl(trifluoromethyl)sulfonium
Trifluoromethanesulfonate

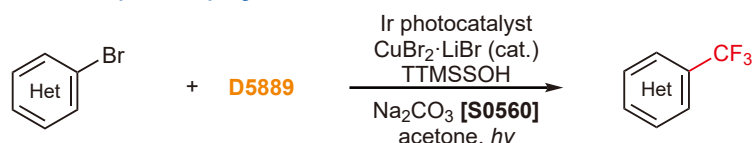
1g / 10g
[D5889]

Advantages

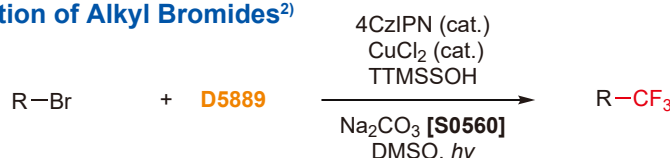
- Enables the trifluoromethylation of (hetero)aryl bromides and alkyl bromides by the photoredox reaction
- Works as a mesitylating reagent in cross-coupling

Applications

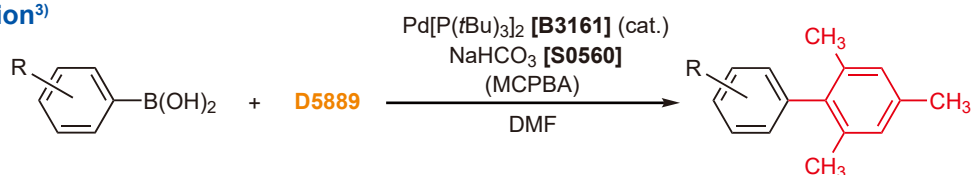
Trifluoromethylation of (Hetero)aryl Bromides¹⁾



Trifluoromethylation of Alkyl Bromides²⁾



Mesitylation³⁾



References 1) C. Le, T. Q. Chen, T. Liang, P. Zhang, D. W. C. MacMillan, *Science* **2018**, 360, 1010. DOI: <https://doi.org/10.1021/jacs.9b03024>
2) D. J. P. Kornfilt, D. W. C. MacMillan, *J. Am. Chem. Soc.* **2019**, 141, 6853. DOI: <https://doi.org/10.1002/chem.201600991>
3) S.-M. Wang, X.-Y. Wang, H.-L. Qin, C.-P. Zhang, *Chem. Eur. J.* **2016**, 22, 6542. DOI: <https://doi.org/10.1126/science.aat4133>

Related Products

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Bis(tri-*tert*-butylphosphine)palladium(0)

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250mg / 1g [B3161]

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