

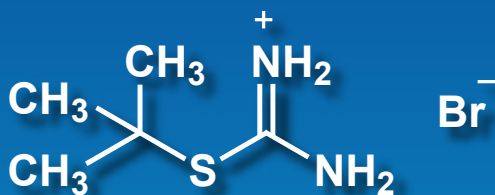
New

CHEMISTRY

MATERIALS

TCI

Odorless Reagent for the Efficient Introduction of *tert*-Butylthio Group to Aromatic Rings



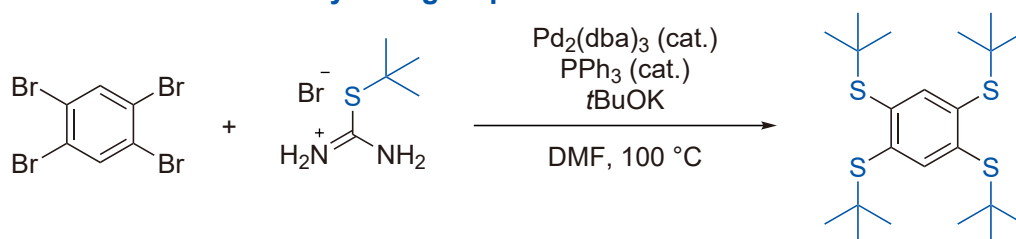
2-(*tert*-Butyl)isothiuronium
Bromide
5g / 25g
[B6315]

Advantages

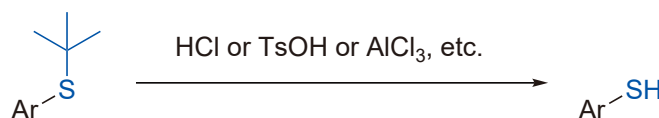
- Solid reagent for easy-handling
- Odorless equivalent of *tert*-butylthiol
- Enables the introduction of *tert*-butylthio groups to aromatic rings by cross-coupling reaction
- *tert*-Butylthio groups on aromatic rings can be converted to various sulfur-containing functional groups

Application

Introduction of *tert*-butylthio groups ¹⁾



Deprotection of *tert*-butyl groups ^{2,3,4)}



- References**
- 1) K. Kopp, O. Schiemann, N. Fleck, *Molecules* **2020**, *25*, 3666. <https://doi.org/10.3390/molecules25163666>
 - 2) J. D. Rudolf, C. D. Poulter, *ACS Chem. Biol.* **2013**, *8*, 2707. <https://doi.org/10.1021/cb400691z>
 - 3) C. S. Bryan, J. A. Braunger, M. Lautens, *Angew. Chem. Int. Ed.* **2009**, *48*, 7064. <https://doi.org/10.1002/anie.200902843>
 - 4) M. Touaibia, L. Breau, *et al.*, *Synthesis* **2004**, 2283. <https://doi.org/10.1055/s-2004-831163>

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

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