

# On the Metalation of 2,6-Dimethyl-4-*tert*-butyl-thiophenol

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Metalation, 2,6-Dimethyl-4-*tert*-butyl-thiophenol,  
Lithium, Sulfur

Metalation of 2,6-Dimethyl-4-*tert*-butyl-thiophenol (**6**) with *n*-BuLi/TMEDA in THF occurs regioselectively at the benzylic positions to produce lithium 2,6-di(lithiomethyl)-4-*tert*-butyl-benzenethiolate (**7**). Treatment of compound **7** with elemental sulfur followed by iodine-oxidation affords an oxidation product **9a** of bis(sulfanylmethyl)-4-*tert*-butyl-thiophenol (**5**).

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