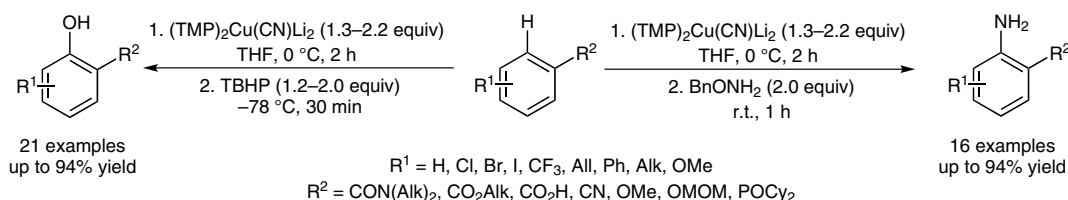


N. TEZUKA, K. SHIMOJO, K. HIRANO,* S. KOMAGAWA, K. YOSHIDA, C. WANG,
K. MIYAMOTO, T. SAITO, R. TAKITA, M. UCHIYAMA* (THE UNIVERSITY OF TOKYO AND
RIKEN CENTER FOR SUSTAINABLE RESOURCE SCIENCE, SAITAMA, JAPAN)

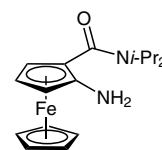
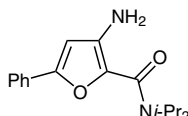
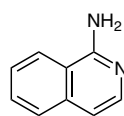
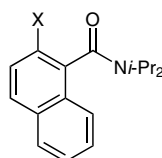
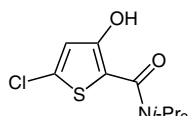
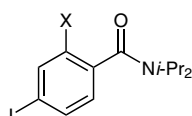
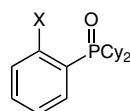
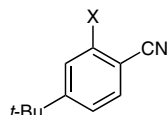
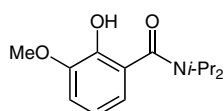
Direct Hydroxylation and Amination of Arenes via Deprotonative Cupration

J. Am. Chem. Soc. **2016**, *138*, 9166–9171.

Aromatic Hydroxylation and Amination through Deprotonative Cupration



Selected examples:



Significance: The authors report an efficient aromatic hydroxylation and amination reaction through directed *ortho* cupration. The method is applicable to a wide range of functionalized aromatic and heteroaromatic compounds, and shows high chemo- and regioselectivity.

Comment: The reported reaction is the first example of an efficient, one-pot synthesis of functionalized phenols and anilines from the same substrates.

SYNFACTS Contributors: Paul Knochel, Marthe Ketels
Synfacts 2016, 12(10), 1071 Published online: 19.09.2016
DOI: 10.1055/s-0036-1589202; **Reg-No.:** P10916SF