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Direct Hydroxylation and Amination of Arenes via Deprotonative Cupration
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Aromatic Hydroxylation and Amination through Deprotonative Cupration

Selected examples:

79% yield

X = NH₂: 84% yield
X = OH: 87% yield

X = NH₂: 94% yield
X = OH: 86% yield

X = NH₂: 84% yield
X = OH: 92% yield

81% yield

X = NH₂: 76% yield
X = OH: 89% yield

87% yield

46% yield

63% yield

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.

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