## Cu(II)-CATALYZED CROSS-DEHYDROGENATIVE ORTHO-AMINOMETHYLATION OF PHENOLS

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Cross-dehydrogenative couplings (CDCs) have attracted much attention in recent years because they do not require pre-activation of either coupling partners, and they are also more atom-economical. We have developed an efficient Cu(II)-catalyzed *ortho*-selective aminomethylation method of phenols by direct intermolecular CDC reaction (Scheme 1). An arguably broad variety of functional groups were moreover tolerated. This represents a rare case of  $C(sp^2)-C(sp^3)$  CDC with phenols. This unusual dehydrogenative process is anticipated to lead to the development of other general classes of C-C bond forming CDC reactions.[1]



Scheme 1

<sup>[1]</sup> Yu, C.; Patureau, F. W. Angew. Chem. Int. Ed. 2018, 57, 11807–11811.