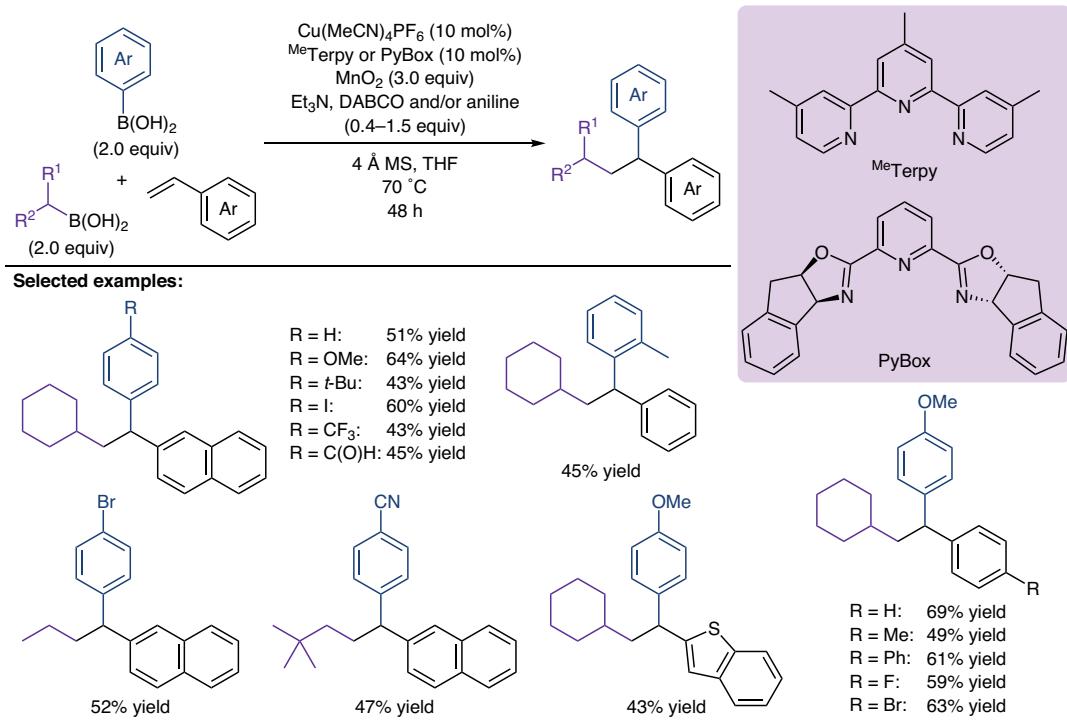
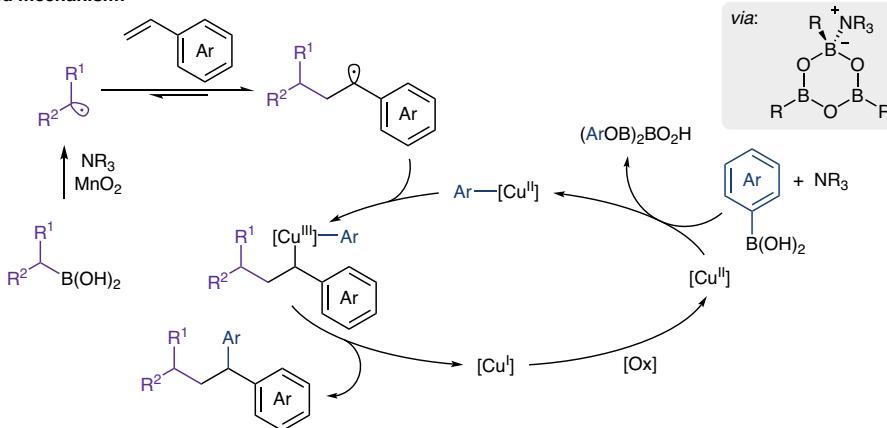


Copper-Catalyzed Cross-Nucleophile Alkylation of Vinylarenes with Two Different Boronic Acids


Proposed mechanism:


Significance: Hull and co-workers report an oxidative cross-nucleophile strategy for the alkylarylation of vinyl arenes using two different boronic acids. This operationally simple and scalable protocol provides straightforward access to 1,1-diarylalkanes.

Comment: Mechanistic investigations support the shown mechanism. Lewis pair formation of the in situ formed boroxines and the added amine was found to be crucial for this transformation (see gray box).