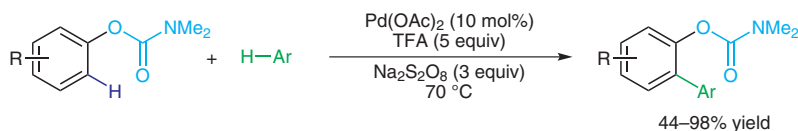
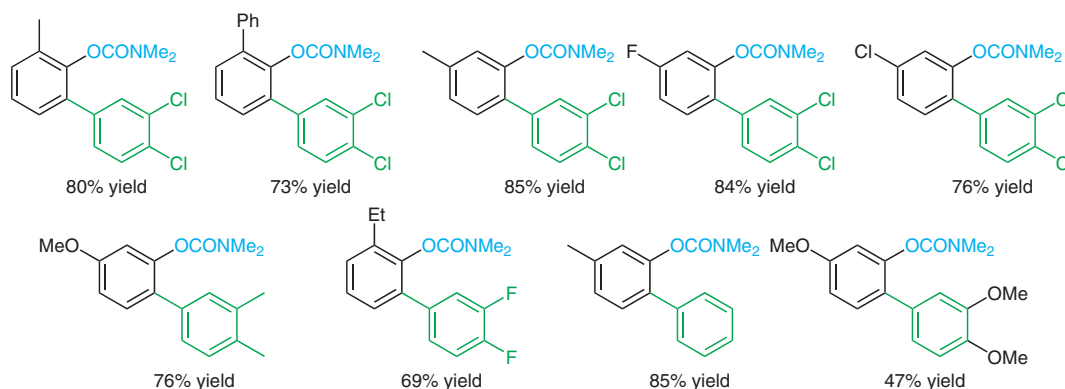


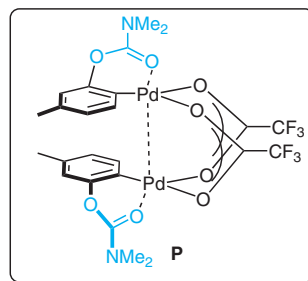
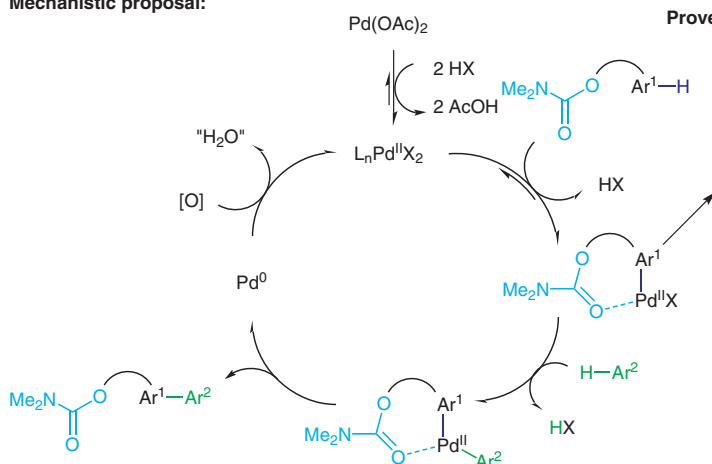
Palladium-Catalyzed Oxidative Arylation of *ortho*-Phenylcarbamates with Arenes



Selected examples:



Mechanistic proposal:



Significance: A highly useful method for the oxidative palladium-catalyzed coupling of simple arenes and *ortho*-phenylcarbamates was developed. The reaction proceeds via double C–H bond functionalization with high regioselectivities including electron-rich, -neutral, and -deficient arenes as substrates.

Comment: This novel coupling method enables a most straightforward access to biaryls from simple arenes solely via C–H functionalization. Inexpensive and environmentally benign sodium persulfate ($\text{Na}_2\text{S}_2\text{O}_8$) is used as oxidant. The mechanism proposed for this reaction is supported by the X-ray structure of the palladacycle **P**.