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

Selected examples:



$76 \%$ yield
$69 \%$ yield


44-98\% yield



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 form simple arenes solely via C-H functionalization. Inexpensive and environmentally benign sodium persulfate $\left(\mathrm{Na}_{2} \mathrm{~S}_{2} \mathrm{O}_{8}\right)$ is used as oxidant. The mechanism proposed for this reaction is supported by the X-ray structure of the palladacycle $\mathbf{P}$.

