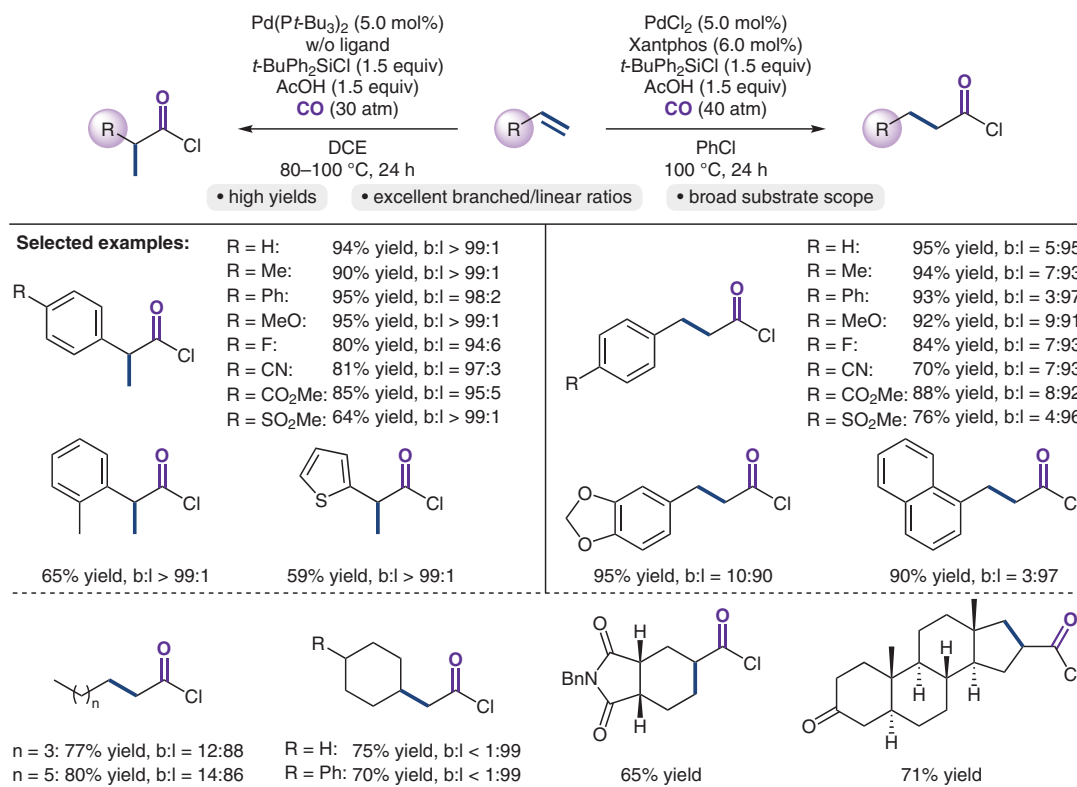
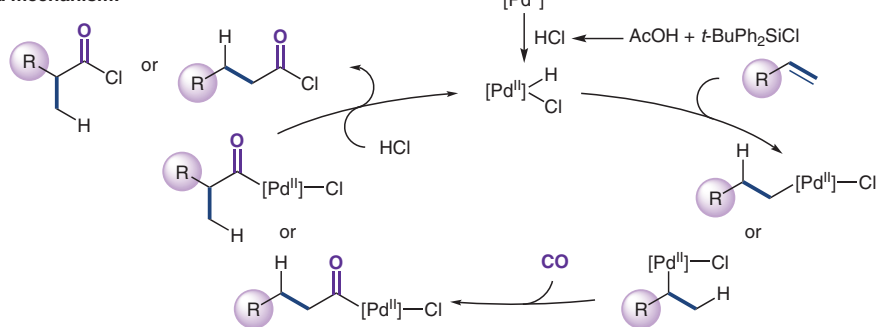


# Making Acid Chlorides from Olefins by Palladium-Catalyzed Regiodivergent Hydrochlorocarbonylation



## Proposed mechanism:



**Significance:** Guan and co-workers disclosed a palladium-catalyzed hydrochlorocarbonylation of olefins to the corresponding acid chlorides. Depending on the choice of solvent and ligand, either branched or linear regioisomers are formed.

**Comment:** The combination of acetic acid and a chlorosilane functions as a mild HCl source, thereby avoiding hydrochlorination as undesirable side reaction. Control experiments support the shown mechanism.