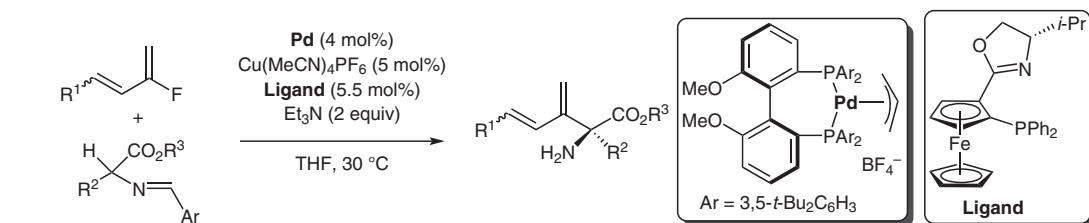
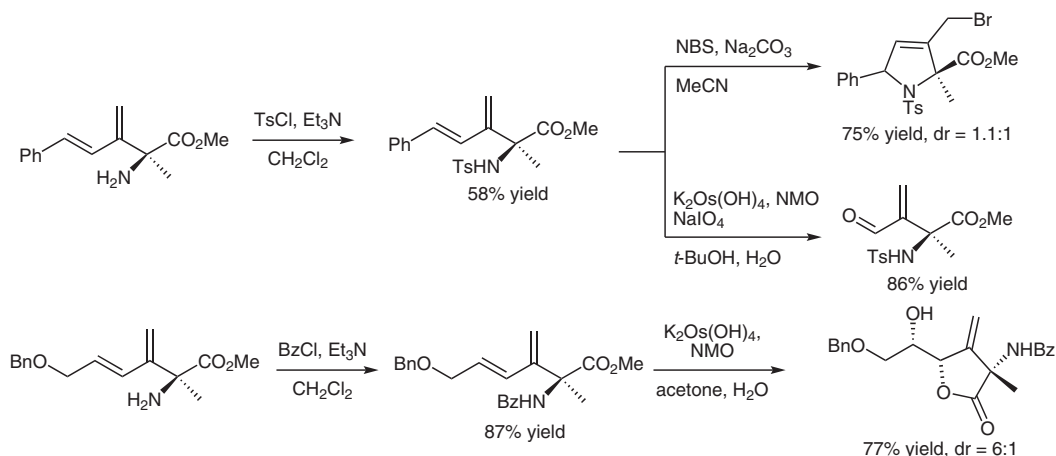
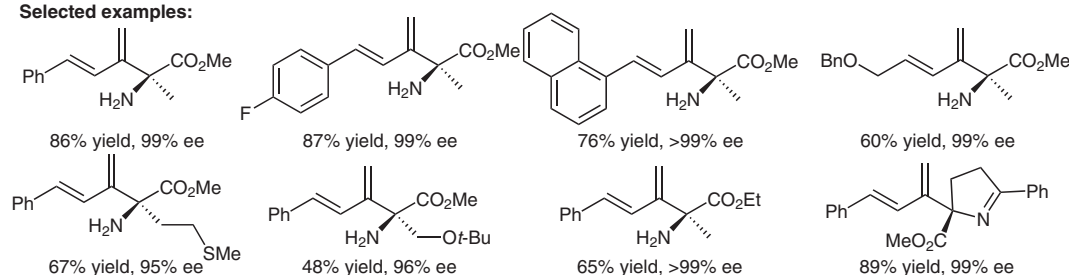


Palladium/Copper-Catalyzed Synthesis of α -Alkenyl α -Amino Acids from 2-Fluoro-1,3-dienes



Selected examples:



Significance: α -Alkenyl α -amino acids have attracted significant attention because of their potential bioactivities. The authors have developed synergistic Pd- and Cu-catalyzed enantioselective alkylation of 2-fluoro-1,3-dienes with aldimine esters to afford α -alkenyl α -amino acids.

Comment: The enantioselective C(sp²)-F bond alkylation of 2-fluoro-1,3-dienes with aldimine esters proceeded smoothly through Pd/Cu catalysis to afford the corresponding α -alkenyl α -amino acids in high yields and excellent enantiopurities. Moreover, the products could be subjected to further transformations, such as cyclization.