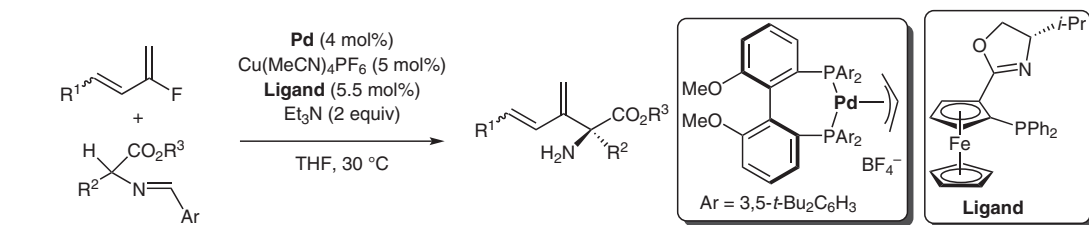
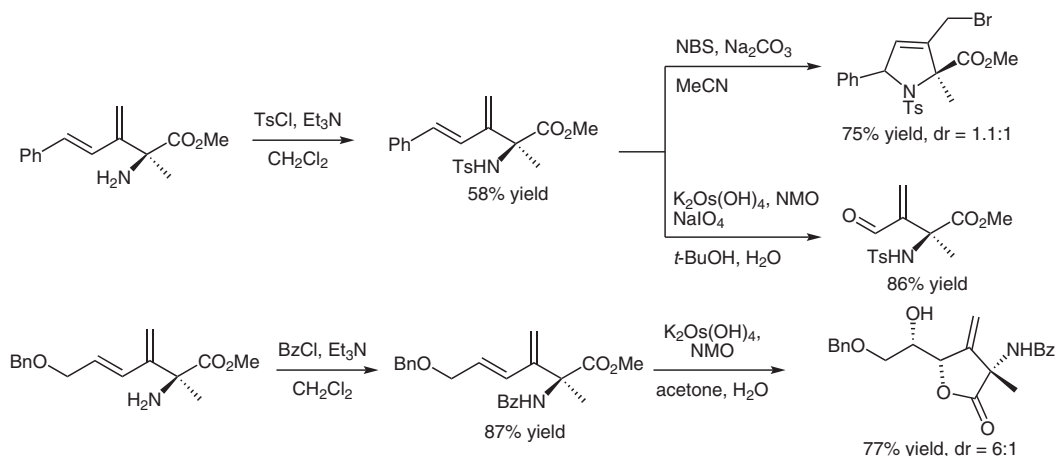
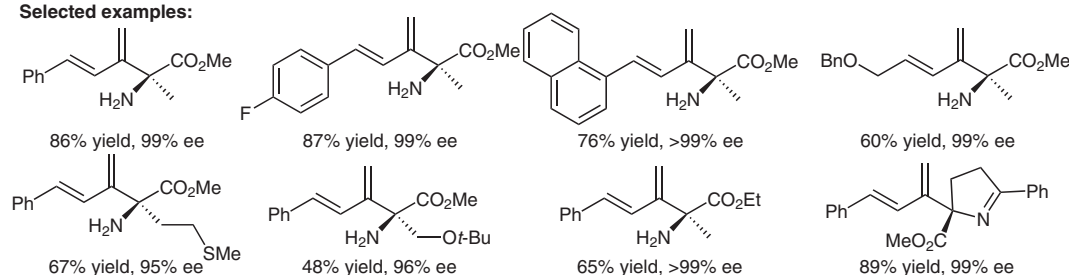


## Palladium/Copper-Catalyzed Synthesis of $\alpha$ -Alkenyl $\alpha$ -Amino Acids from 2-Fluoro-1,3-dienes



### Selected examples:



**Significance:**  $\alpha$ -Alkenyl  $\alpha$ -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  $\alpha$ -alkenyl  $\alpha$ -amino acids.

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