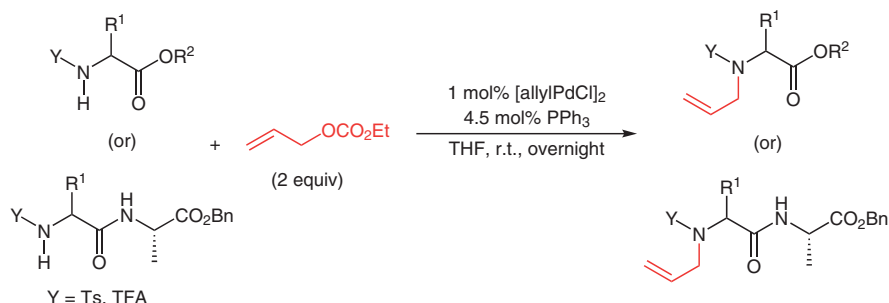
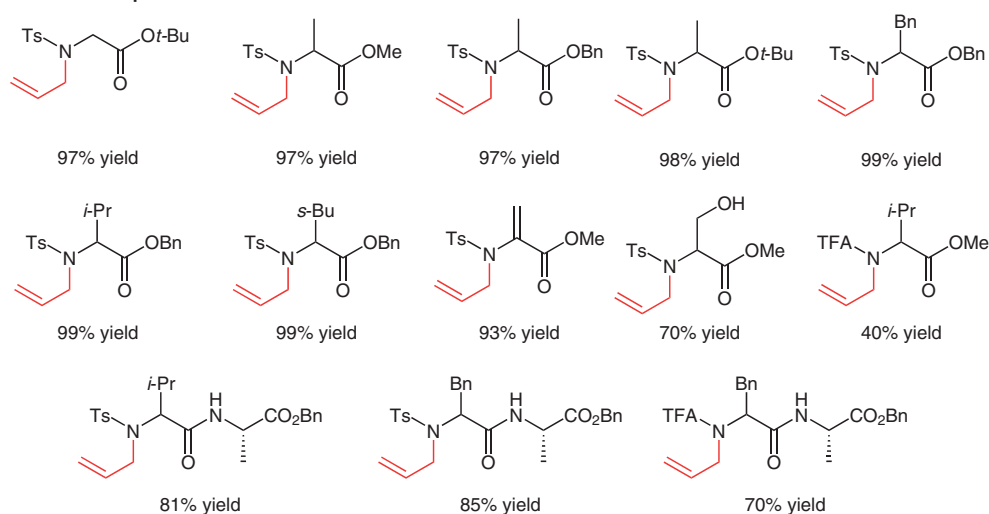


## Synthesis of N-Allyl Amino Acids and Peptides



### Selected examples:



**Significance:** *N*-Alkyl amino acids and peptides are key building blocks for many peptide drugs. In particular, *N*-allyl amino acids and peptides form key motifs for the synthesis of cyclic peptides. In 1999, Kazmaier and Zumpe developed a palladium-catalyzed *N*-allylation of *N*-tosyl and *N*-trifluoroacetyl amino acids and peptides.

**Comment:** Palladium-catalyzed *N*-allylation of esters of *N*-tosyl and *N*-trifluoroacetyl amino acids and peptides with allyl ethyl carbonate proceeded smoothly to deliver desired products in good yields. The protocol is very simple in practice and proceeds under neutral conditions.