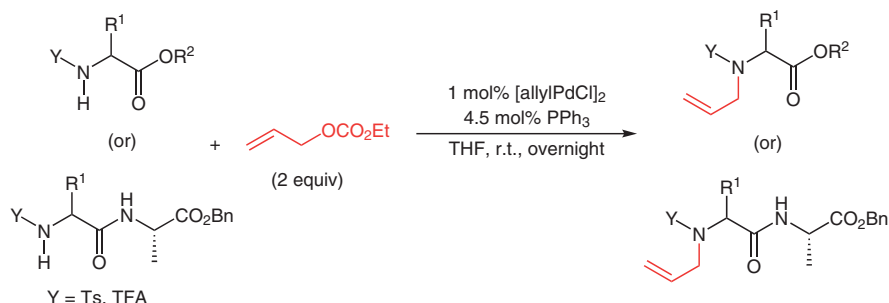


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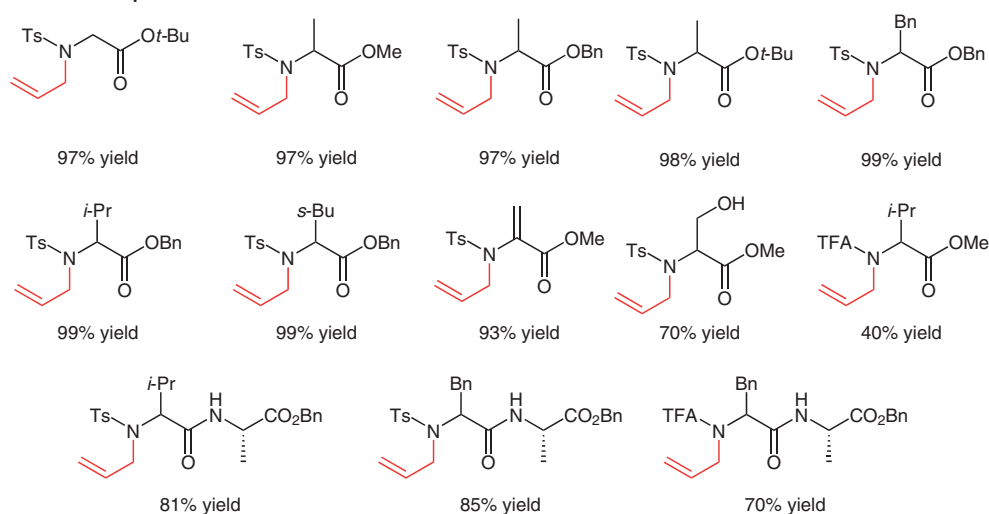
Application of the Palladium-Catalyzed N-Allylation to the Modification of Amino Acids and Peptides

Synthesis 1999, 1785–1791, DOI: 10.1055/s-1999-3598.

## 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.

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