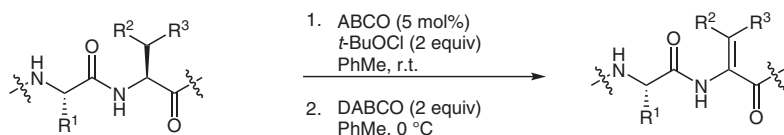
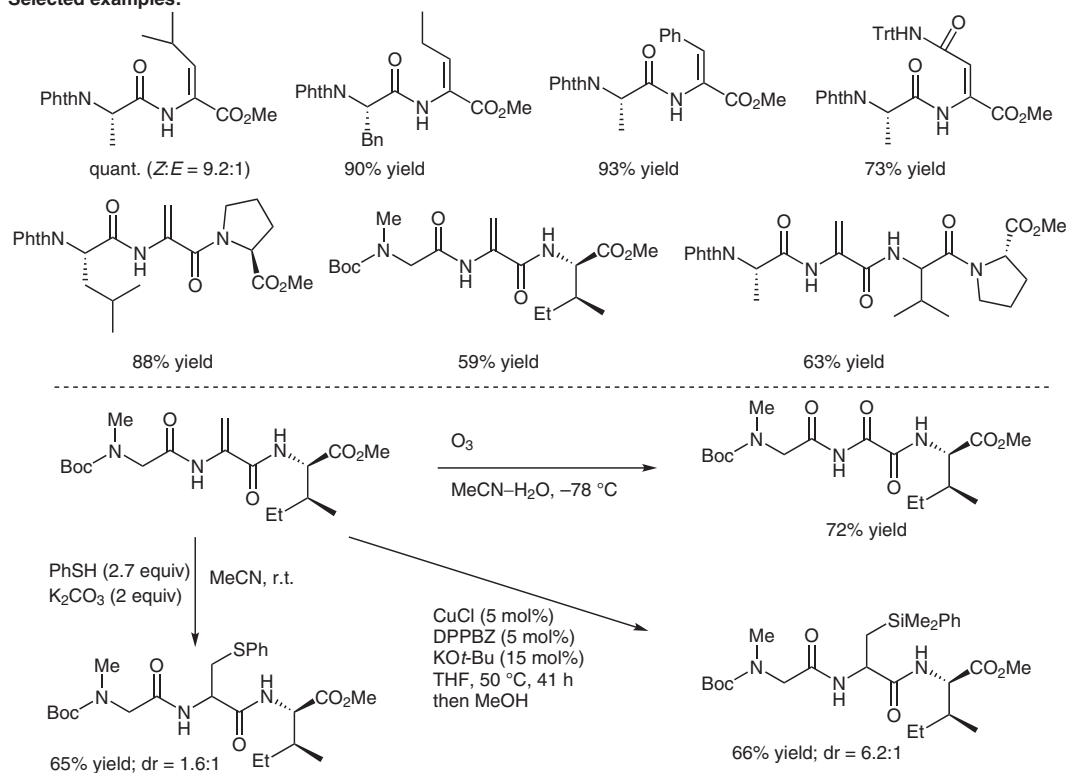


# Preparation of Dehydroamino Acids/Peptides and their Application



## Selected examples:



**Significance:** Late-stage modification of structural complex peptides bears enormous potential for drug discovery. The authors have developed a method for the formation and modification of dehydroamino acids.

**Comment:** The dehydroamino acids are prepared through N-chlorination of peptide bonds, with catalysis by 1-azabicyclo[2.2.2]octane (ABCO), and subsequent DABCO-induced  $\beta$ -elimination of an N-chloroamide. Various dehydroamino acids were obtained in moderate to excellent yields. The strategy permits the construction of a wide variety of dehydroamino acid residues in peptides and facilitates late-stage installation of such motifs into existing oligopeptides.