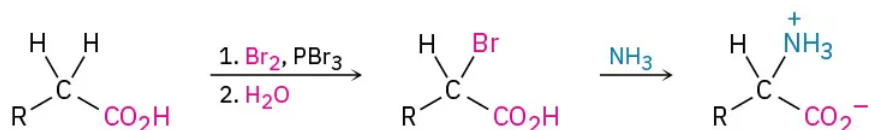


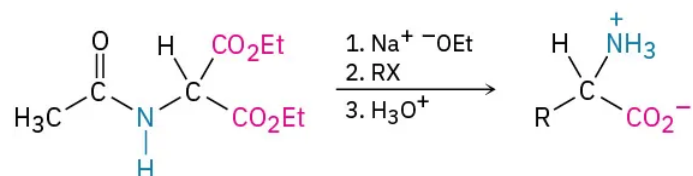
12.13: Summary of Reactions

1. Amino acid synthesis (Section 26.3)

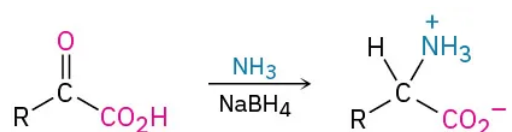
a. From α -bromo acids



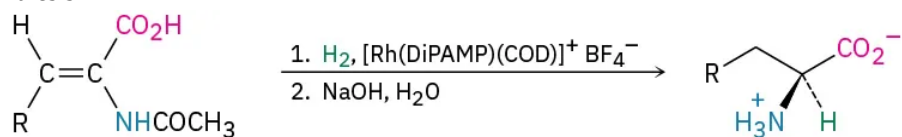
• Diethyl acetamidomalonate synthesis



• Reductive amination of an α -keto acid



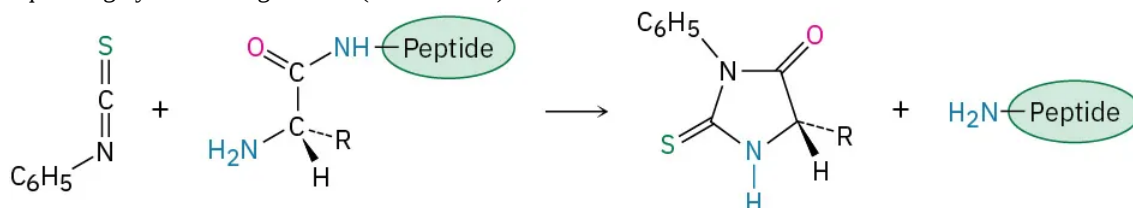
• Enantioselective synthesis



A (Z) enamido acid

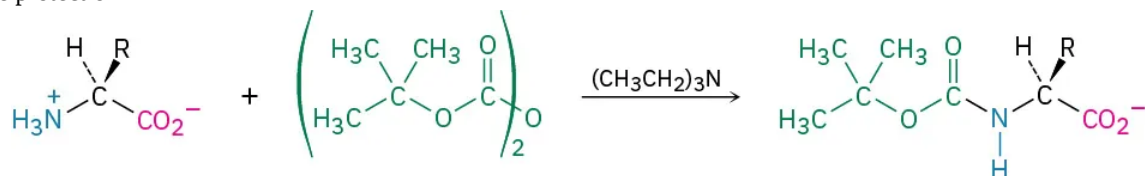
An (S)-amino acid

• Peptide sequencing by Edman degradation (Section 26.6)



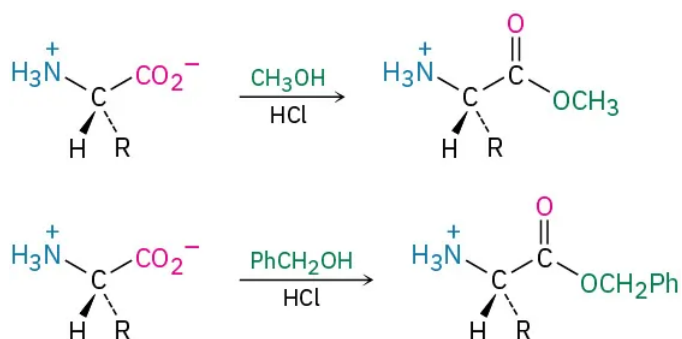
• Peptide synthesis (Section 26.7)

a. Amine protection



Boc-protected amino acid

b. Carboxyl protection



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