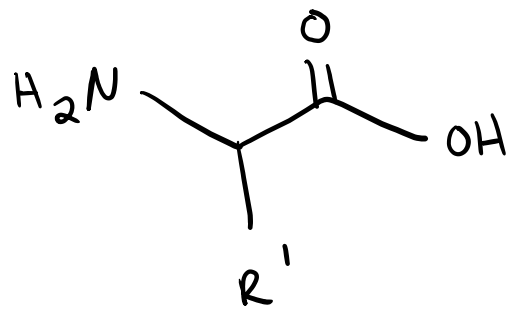
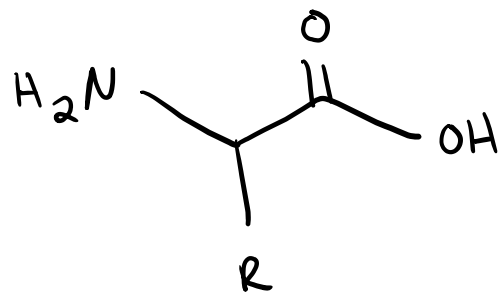
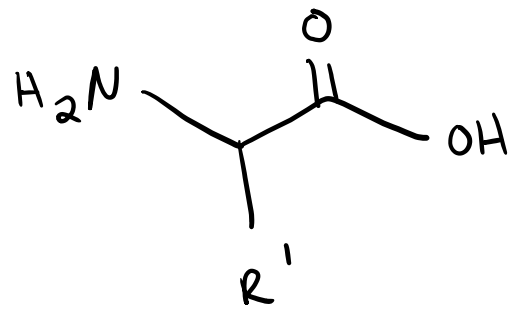
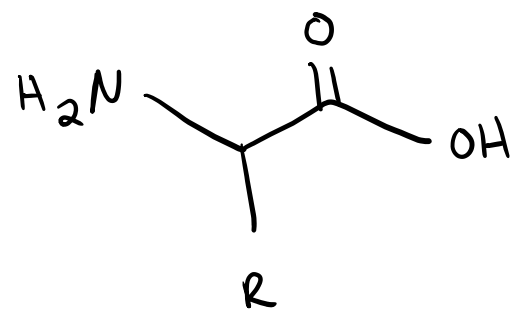


Peptide Synthesis

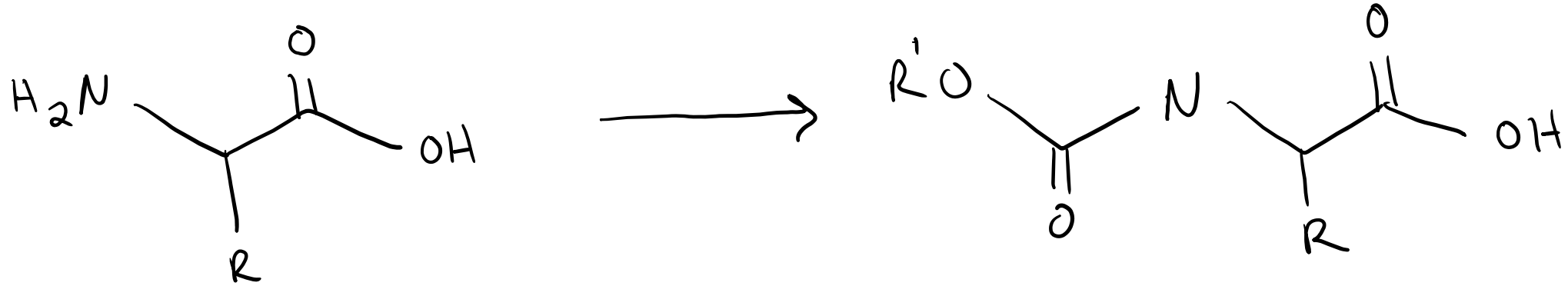
4/24/2023

Peptide Synthesis: Protecting Groups

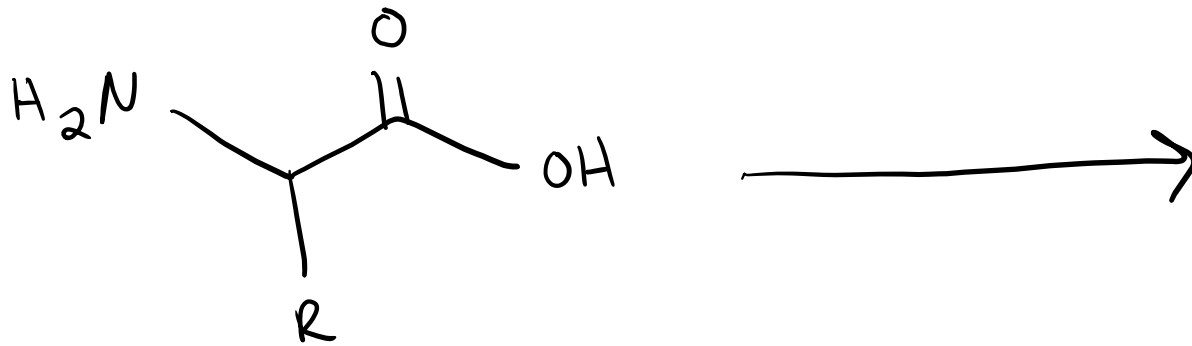


Protecting the Amine Group

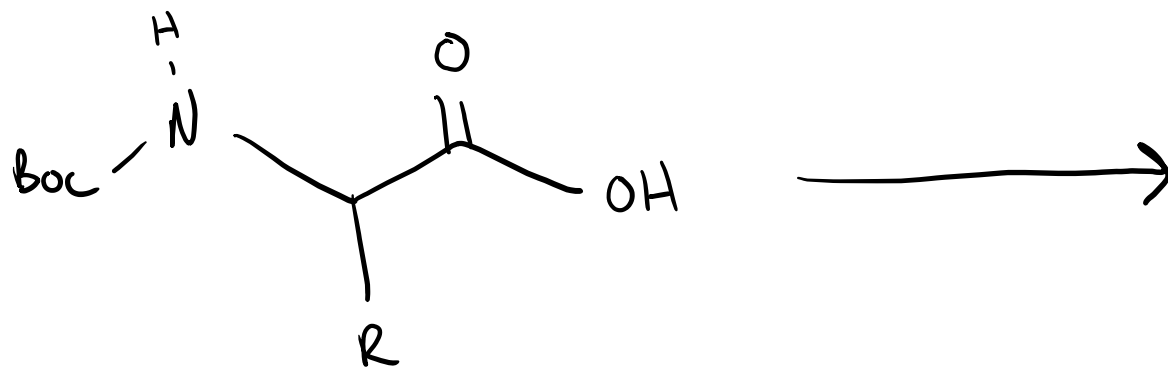
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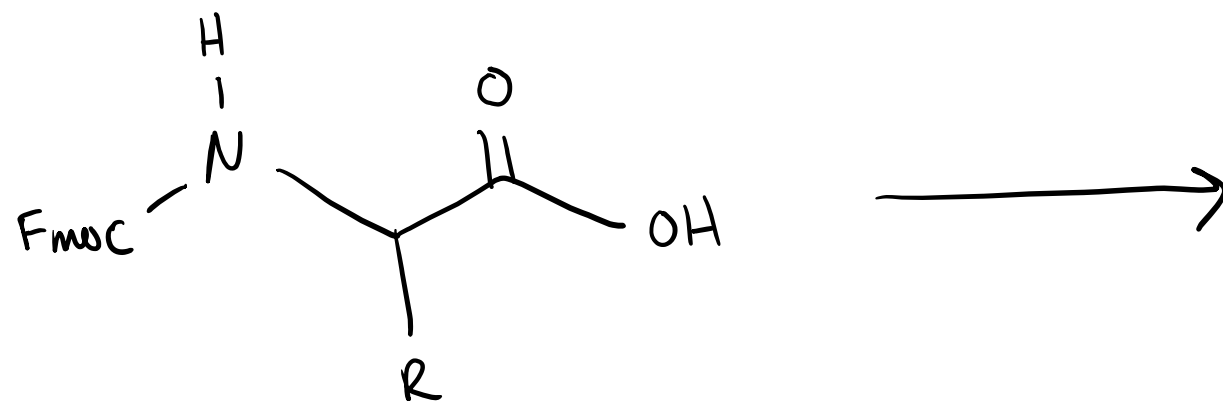
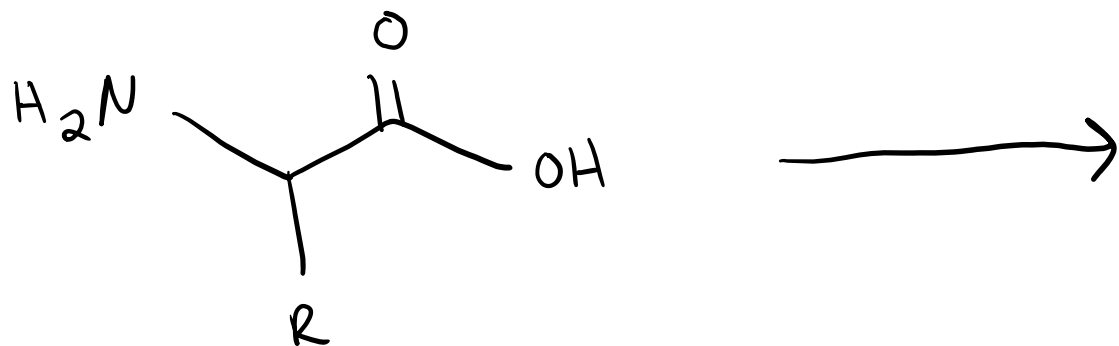
Using the "Boc" protecting group:



“Deprotecting” the Amine: Removing Boc

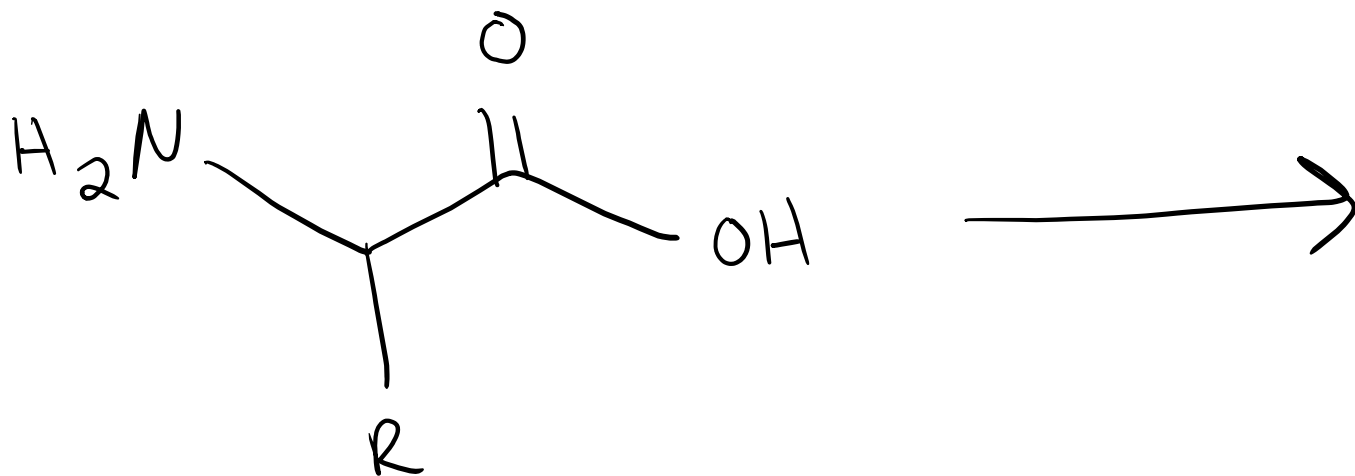


Amine Protection and Deprotection with "Fmoc"

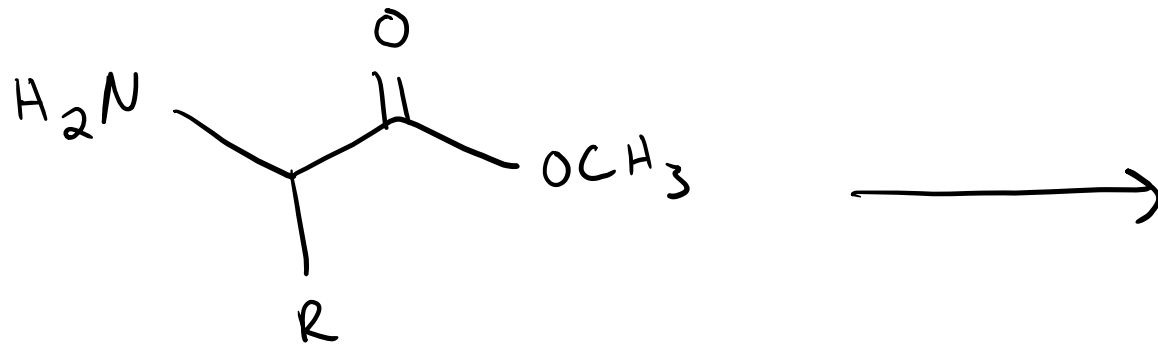
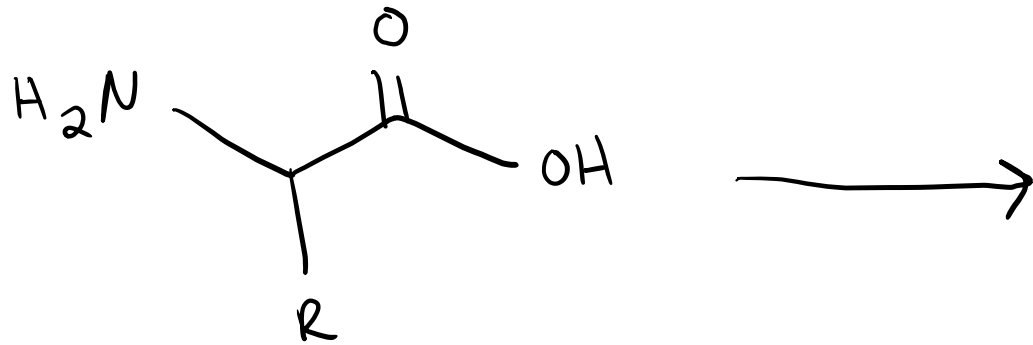


Protecting the Carboxylic Acid

(25.6)

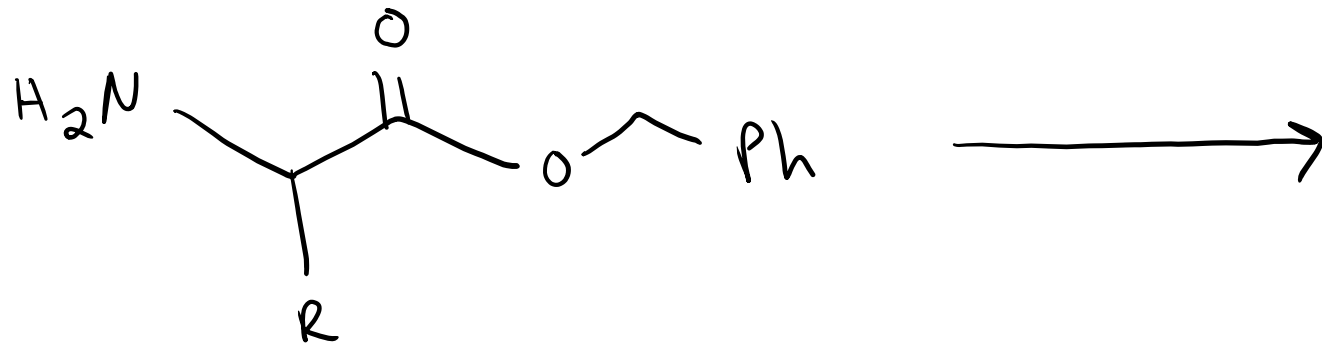
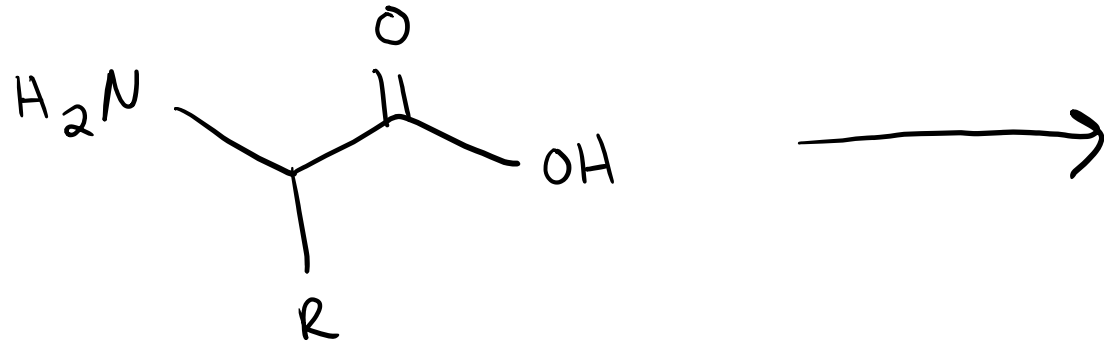


Protecting/Deprotecting the Carboxylic Acid: Methyl Ester



Deprotection: Mechanism

Protecting/Deprotecting the Carboxylic Acid: Benzyl Ester



Synthesizing Peptides: General Strategy

Synthesizing Peptides: Example

Synthesize Val-Ala

Synthesizing Peptides: Example

Synthesize Phe - Ser - Cys