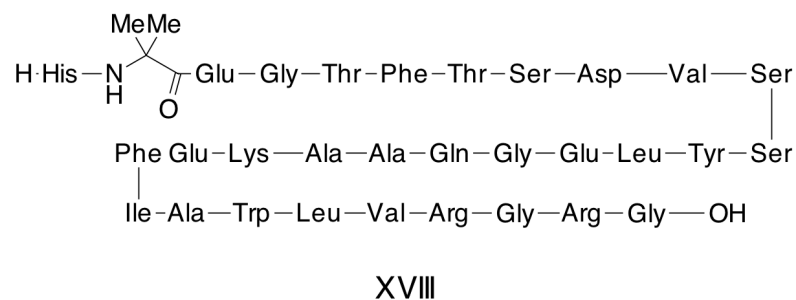
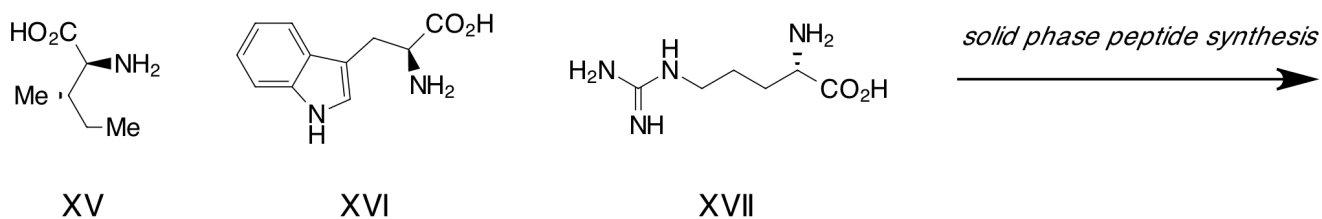
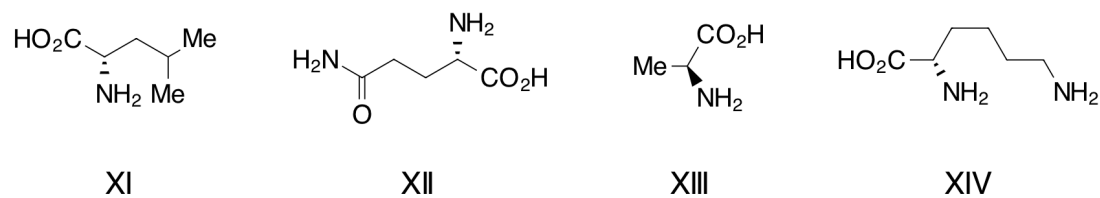
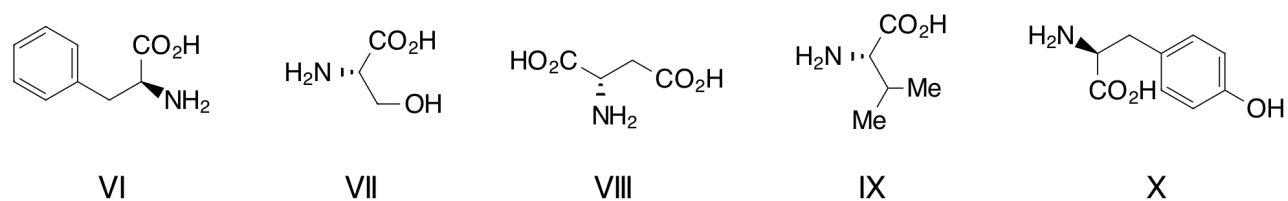
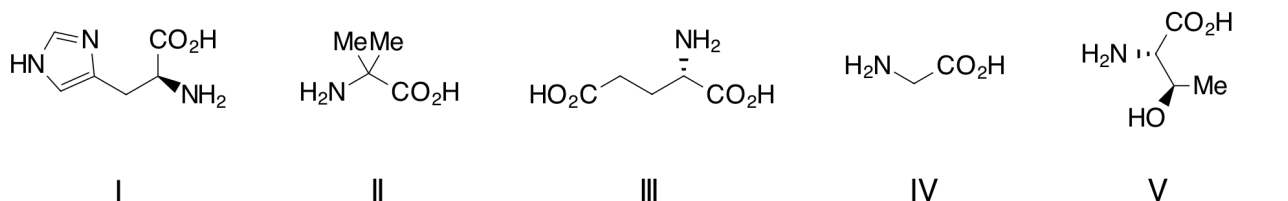
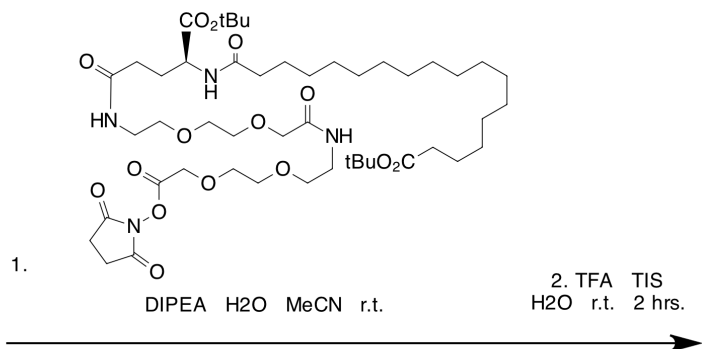


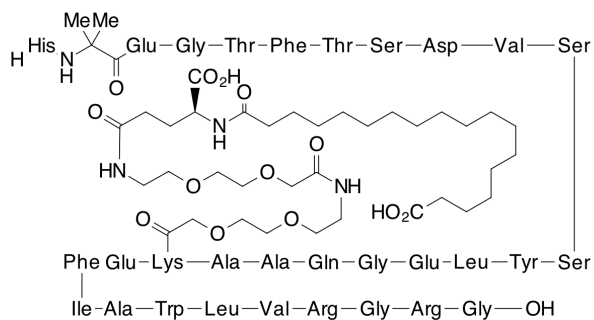
## 2. Reaction Sequence

**Reaction sequence  
for Semaglutide**



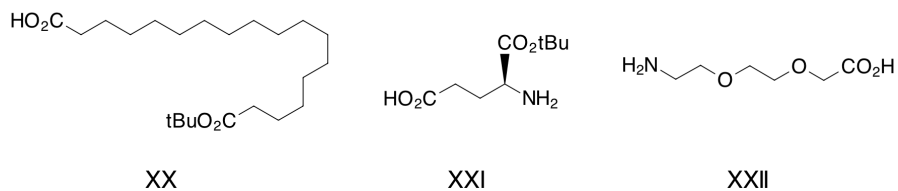


XIX

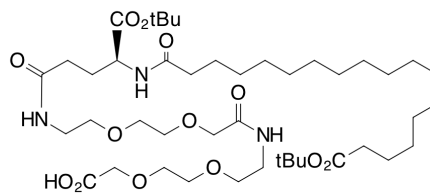


Semaglutide

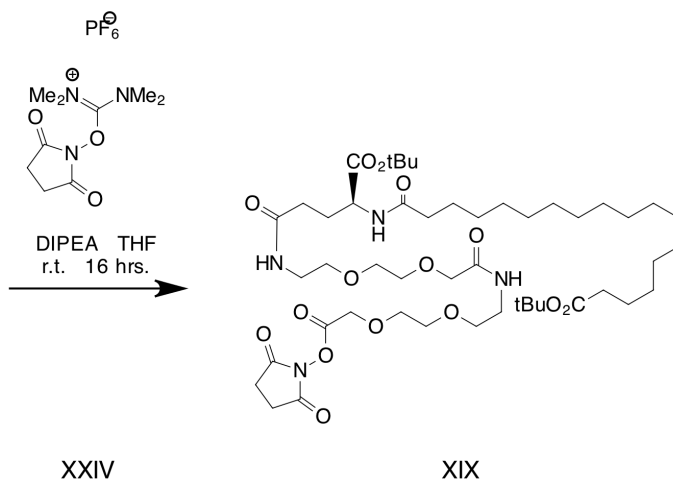
**Preparation of XIX**



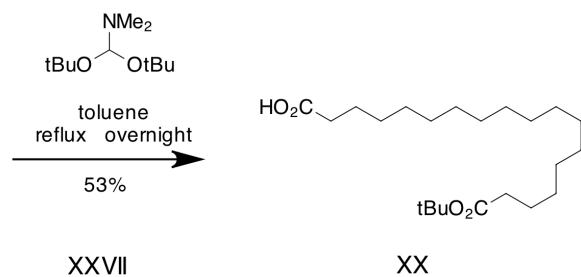
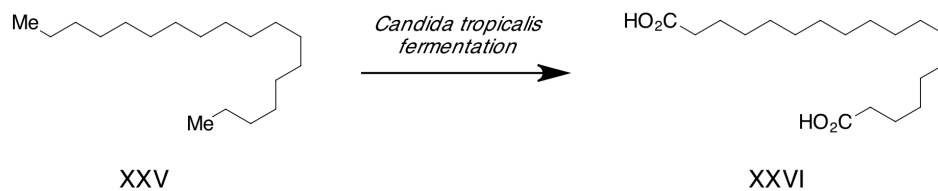
*solid phase peptide synthesis*



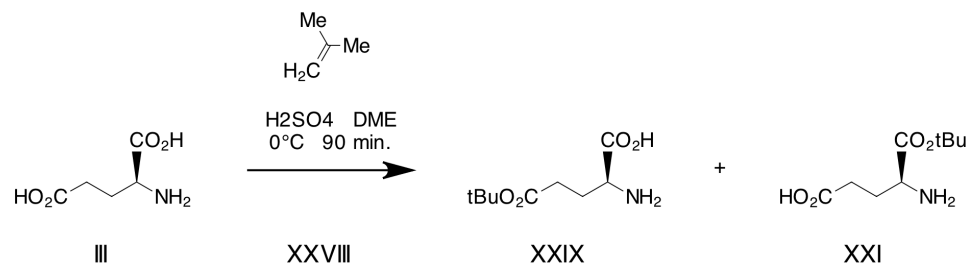
XXIII



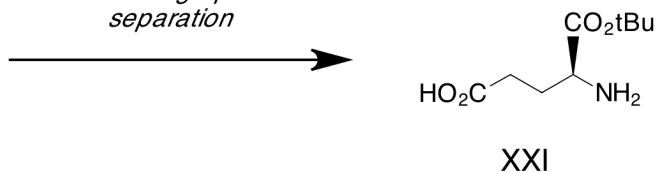
Preparation of XX



Preparation of XXI



*chromatographic  
separation*



**Preparation of XXII**

