

### **Limiting factors**

- Peptides are complex molecules and each peptide sequence is unique with regard to its chemical and physical properties. These properties very often change as the synthesis proceeds. Consequently, coupling efficiency of amino acids during the synthesis and the ultimate purity of the final product is highly conditioned by the sequence. Some peptides are difficult or even impossible to synthesize.
- Peptides with multiple cysteine, methionine, arginine and tryptophan residues are often very difficult to synthesize.
- When designing a polypeptide, try to avoid a proline residue at its C-terminus.