

Proteins

Proteins : Are large biomolecules consisting long chain of amino acids that linked by peptide bonds. Proteins are formed from one or more polypeptides joined together. They provide energy for the body. Protein is an important component of every cell in the body and use to make enzymes, hormones and building bones, muscles, skin and blood.

Amino acids: Are basic structural units of proteins consisting of an amino group (-NH₂), Carboxyl group(-COOH),Hydrogen atom and variable group(R),The carbon atom is called α because it is bonded to carboxyl group. The general formula of amino acids shown in figure (1).

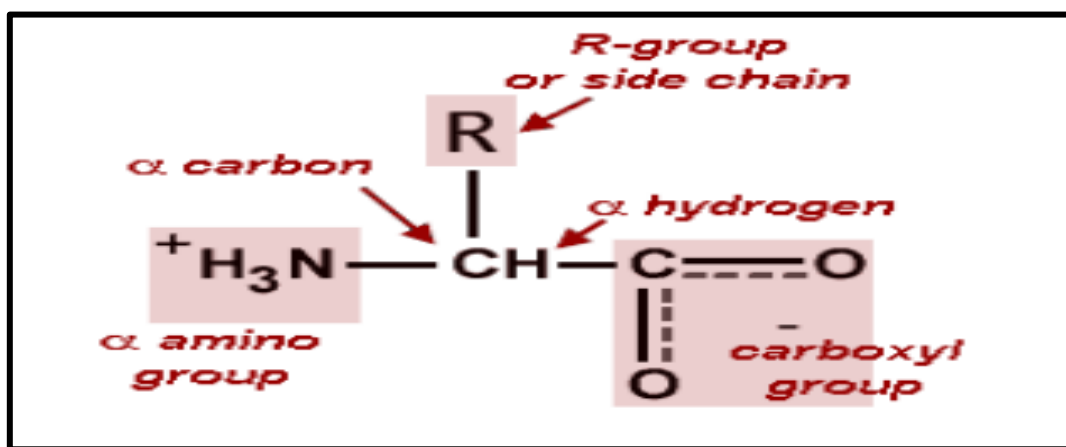


Figure (1) : The structure of amino acid

Note:

In such an equilibrium, the weaker acid always predominates. As ammonia is a weaker acid than carboxylic acid, the equilibrium will lie to the left.