

Biomedical Importance Chief source of energy. Constituents of compound lipids and conjugated

proteins. Degradation products act as "promoters" or 'catalysts'. Certain carbohydrate derivatives are used as drugs like cardiac glycosides/antibiotics. ● Lactose principal sugar of milk—in lactating mammary gland. ● Degradation products utilised for synthesis of other substances such as fatty acids, cholesterol, amino acid, etc. ● Constituents of mucopolysaccharides which form the ground substance of mesenchymal tissues. ● Inherited deficiency of certain enzymes in metabolic pathways of different carbohydrates can cause diseases, e.g. galactosemia, glycogen storage diseases (GSDs), lactose intolerance, etc. ● Derangement of glucose metabolism is seen in diabetes mellitus.