

carbohydrate chemistry oxford chemistry pdf

A carbohydrate (/ k ɛˈr b oʊ h aɪ d r eɪ t /) is a biomolecule consisting of carbon (C), hydrogen (H) and oxygen (O) atoms, usually with a hydrogen:oxygen atom ratio of 2:1 (as in water) and thus with the empirical formula C_m(H₂O)_n (where m may be different from n). This formula holds true for monosaccharides. Some exceptions exist; for example, deoxyribose, a sugar component of ...

Carbohydrate - Wikipedia

B. G. Davis and A. J. Fairbanks Oxford University Press, Oxford, 2002, ISBN: 0198558333

The Davis Group - Publications - University of Oxford

Glycosylation (see also chemical glycosylation) is the reaction in which a carbohydrate, i.e. a glycosyl donor, is attached to a hydroxyl or other functional group of another molecule (a glycosyl acceptor). In biology, glycosylation mainly refers in particular to the enzymatic process that attaches glycans to proteins, or other organic molecules. This enzymatic process produces one of the ...

Glycosylation - Wikipedia

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This paper is a review of optical methods for online nondestructive food quality monitoring. The key spectral areas are the visual and near-infrared wavelengths. We have collected the information of over 260 papers published mainly during the last 20 years. Many of them use an analysis method called chemometrics which is shortly described in the paper.

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