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(54) Title: SPECIFIC ACCEPTORS FOR TRANSFERASES TO SACCHARIDES AND METHOD FOR OBTAINING AND USING SAME

(57) Abstract: A method for determining substrates specific for a transferase enzyme selected from glycosyltransferases and sulfotransferases. The method includes the steps of a) selecting a substrate to be tested for specificity for sulfotransferases and for glycosyltransferases, from some specific tetra or penta saccharide compounds b) combining the substrate with glycosyltransferase or sulfo-transferase and donor compound c) incubating the incubation mixtures at a temperature of from 18 to 40 degrees Celsius and pH of 6 to 7 for from 30 minutes to four hours, d) testing the reaction product to determine effectiveness of transferring the particular moiety to the substrate, and e) determine whether a particular glycosyltransferase or sulfotransferase acts to transfer the particular moiety thus determining whether the substrate acts specifically with a particular glycosyltransferase or sulfotransferase. The invention also includes a method for the specific detection of a specific transferase for a specific moiety selected from sulfotransferases and glycosyltransferases.



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