

Title (en)

ENZYMATIC METHOD FOR SYNTHESIS OF O-GLYCOSYLATED AMINO ACID OR PEPTIDE OR DERIVATIVES THEREOF

Title (de)

Enzymatische Methode zur Synthese von O - glycosilierten Aminosäuren oder Peptiden oder entsprechenden Derivaten

Title (fr)

METHODE ENZYMATIQUE POUR LA SYNTHÈSE D'ACIDE AMINE OU DE PEPTIDE O-GLYCOSYLE OU DE DERIVÉS DE CES DERNIERS

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Application

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Abstract (en)

[origin: WO9518232A1] Present invention describes a method for synthesis of O-glycosylated amino acid or peptide or derivatives thereof, characterized by the use of a glycosyl donor which is a monosaccharide in pyranose or furanose form or which is an oligosaccharide, and by the use of an acceptor which is a hydroxyl group containing amino acid or peptide derivative which has been modified in its N-terminal alpha -amino group and in which the C-terminal carboxyl group is non-modified, employing an exo- or an endoglycosidase (EC 3.2) as catalyst in an equilibrium reaction and that the product is isolated from the reaction mixture or is used directly or after partial or complete isolation in a continued synthesis with chemical methods or with enzymatic methods.

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