

Title (en)

PROCESS FOR THE PREPARATION OF GLATIRAMER ACETATE BY POLYMERISATION OF N-CARBOXY ANHYDRIDES OF L-ALANINE, L-TYROSINE, BENZYL L-GLUTAMATE AND BENZYLOXYCARBONYL L-LYSINE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GLATIRAMERACETAT DURCH POLYMERISIERUNG VON N-CARBONSÄUREANHYDRIDEN VON L-ALANIN, L-TYROSIN, BENZYL-L-GLUTAMAT UND BENZYLOXYCARBONYL-L-LYSIN

Title (fr)

PROCEDE DE PREPARATION DE L'ACETATE DE GLATIRAMER PAR LE POLYMERISATION D'UN ANHYDRIDE N-CARBOXY DE LA L-ALANINE, L-TYROSINE, L-GLUTAMATE BENZOLIQUE ET L-LYSINE BENZOLOXYCARBONYL

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Abstract (en)

[origin: WO2004043995A2] A process for the preparation of a polypeptide designated in the present invention as 1, composed of the following amino acid units in the structure, namely: L-alanine, L-glutamic acid, L-lysine and L-tyrosine randomly arranged in the polypeptide 1, or pharmaceutically acceptable salts thereof, comprising the steps of: (a) polymerization of a mixture of the N-carboxyanhydrides of L-alanine, L-tyrosine, a protected L-glutamate and a protected L-lysine to obtain protected copolymer 6 or salt thereof; formula (I), (b) deprotection of the protected copolymer 6 (or salt thereof) to produce polypeptide 1 or a pharmaceutically acceptable salt thereof in one single step; formula (II), (c) separation and purification of the polypeptide 1 (or a pharmaceutically acceptable salt) to obtain a purified polypeptide 1. Formula (III).

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