

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

Publication

**EP 1565486 A2 20050824 (EN)**

Application

**EP 03775017 A 20031113**

Priority

- CA 0301744 W 20031113
- CA 2411786 A 20021113
- US 32699402 A 20021224

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).

IPC 1-7

**C07K 14/00**; **C07K 1/06**

IPC 8 full level

**C07K 1/06** (2006.01); **C07K 14/00** (2006.01)

CPC (source: EP)

**C07K 14/001** (2013.01)

Citation (search report)

See references of WO 2004043995A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004043995 A2 20040527**; **WO 2004043995 A3 20041007**; AU 2003283152 A1 20040603; AU 2003283152 A8 20040603; EP 1565486 A2 20050824

DOCDB simple family (application)

**CA 0301744 W 20031113**; AU 2003283152 A 20031113; EP 03775017 A 20031113