

Title (en)

METHOD OF PURIFYING AN INSULIN-CONTAINING AQUEOUS ETHANOLIC RAW EXTRACT FROM PANCREAS GLANDS

Publication

EP 0000439 B1 19810902 (EN)

Application

EP 78300127 A 19780707

Priority

DK 311477 A 19770708

Abstract (en)

[origin: EP0000439A1] The invention consists in a method of purifying an insulin-containing aqueous ethanolic raw extract from pancreas glands. The extract - which has been subjected to strong cooling and separation of the fat crystals formed thereby and which has possibly been further prepurified - is, with an ethanol concentration of 60-80 per cent by volume, subjected to gel filtration, use being made as the gel of Sephadex TM LH-60. The Sephadex beads are swollen in ethanol or in aqueous ethanol, preferably with a concentration of at least 60 per cent by volume. As eluant ethanol or aqueous ethanol, preferably with a concentration of at least 60 per cent by volume, is likewise used. The eluted insulin-containing fraction is a limpid liquid totally freed from colouring substances and containing no or practically no proteins having a larger molecule than insulin or having a smaller molecule than insulin, but only insulin derivatives with practically the same molecular size as the insulin. Practically a 100% yield of insulin is obtained.

IPC 1-7

C07C 103/52; A61K 37/26

IPC 8 full level

C07K 14/625 (2006.01)

CPC (source: EP)

C07K 14/625 (2013.01)

Cited by

EP0047149A1; EP0305760A3; US5101013A; WO2012035017A1

Designated contracting state (EPC)

BE CH DE FR GB LU NL SE

DOCDB simple family (publication)

EP 0000439 A1 19790124; EP 0000439 B1 19810902; AT 368695 B 19821025; AT A494578 A 19820315; DE 2860997 D1 19811126; DK 311477 A 19790109; IE 47021 B1 19831130; IE 781342 L 19790108; IT 1096920 B 19850826; IT 7825460 A0 19780707

DOCDB simple family (application)

EP 78300127 A 19780707; AT 494578 A 19780707; DE 2860997 T 19780707; DK 311477 A 19770708; IE 134278 A 19780704; IT 2546078 A 19780707