

Title (en)
MODIFIED INSULIN PRECURSORS PRODUCTS AND PROCESSES.

Title (de)
MODIFIZIERTE INSULINVORLÄUFERERZEUGNISSE UND VERFAHREN.

Title (fr)
PROCEDES, PRODUITS ET PRECURSEURS D'INSULINE MODIFIEE.

Publication
EP 0192743 A4 19880510 (EN)

Application
EP 85904544 A 19850830

Priority
US 64657384 A 19840831

Abstract (en)
[origin: WO8601540A1] Products and processes for the generation in polypeptides of protease cleavage sites, thereby making said cleavage sites accessible for in vitro cleavage by highly specific proteases. More particularly, this concept has been employed in the production from a modified proinsulin of an insulin containing a B-chain having the proper carboxyl-terminus. A modified proinsulin with several amino acids deleted from its C-chain was cleaved at Thr30-Asp31 and at a site equivalent to the Arg65-Gly66 of the natural proinsulin C-chain (this site having been modified to a Met-Gly sequence) to yield active human insulin in vitro.

IPC 1-7
C12P 21/00; C12N 15/00; C12N 1/10; C07K 13/00; C07H 21/04

IPC 8 full level
C07K 14/62 (2006.01)

CPC (source: EP)
C07K 14/62 (2013.01)

Citation (search report)

- [X] EP 0068701 A2 19830105 - CANADIAN PATENTS DEV [CA]
- [A] CANADIAN JOURNAL OF BIOCHEMISTRY AND CELL BIOLOGY, vol. 62, no. 4, April 1984, pages 209-216, Ottawa, CA; S.A. NARANG et al.: "The human preproinsulin gene: synthesis, cloning, gene modification, and expression studies"
- See references of WO 8601540A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8601540 A1 19860313; AU 4804985 A 19860324; EP 0192743 A1 19860903; EP 0192743 A4 19880510

DOCDB simple family (application)
US 8501673 W 19850830; AU 4804985 A 19850830; EP 85904544 A 19850830