

Title (en)

RETROVIRUS INHIBITION WITH ANTISENSE NUCLEIC ACIDS COMPLEMENTARY TO PACKAGING SEQUENCES.

Title (de)

HEMMUNG VON RETROVIREN MITTELS ZU VERPACKUNGSSEQUENZEN KOMPLEMENTÄRER ANTISENSE-NUKLEINSÄUREN.

Title (fr)

INHIBITION D'UN RETROVIRUS A L'AIDE D'ACIDES NUCLEIQUES NON CODANTS S'HYBRIDANT SUR DES SEQUENCES D'ENCAPSIDATION.

Publication

EP 0578776 A4 19950412 (EN)

Application

EP 92910993 A 19920403

Priority

US 68087391 A 19910405

Abstract (en)

[origin: WO9217211A1] Antisense nucleic acid molecules are provided which hybridize essentially only to the packaging sequence of a retrovirus and thereby inhibit the packaging of the retroviral genomic RNA. The antisense molecules may be DNA, RNA, or analogues thereof. The antisense molecules may be administered as drugs, or the individual to be protected may be genetically manipulated to express an antisense RNA.

IPC 1-7

A61K 48/00; C12N 15/48; C12N 15/49; C12N 15/63; C12N 15/90

IPC 8 full level

A01K 67/027 (2006.01); **A61K 31/70** (2006.01); **A61K 48/00** (2006.01); **A61P 31/12** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/11** (2006.01); **C12N 15/113** (2010.01); **C12N 15/48** (2006.01); **C12N 15/85** (2006.01)

CPC (source: EP)

A01K 67/0275 (2013.01); **A61P 31/12** (2017.12); **C12N 15/1131** (2013.01); **C12N 15/8509** (2013.01); **A01K 2217/05** (2013.01); **A01K 2227/105** (2013.01); **A01K 2267/02** (2013.01); **A01K 2267/0337** (2013.01); **A61K 48/00** (2013.01)

Citation (search report)

- [XY] EP 0331939 A2 19890913 - GREATBATCH GEN AID LTD [US]
- [XY] WO 8908146 A1 19890908 - WORCESTER FOUND EX BIOLOGY [US]
- [Y] WO 8810311 A1 19881229 - SYNTRO CORP [US]
- [Y] US 4740463 A 19880426 - WEINBERG ROBERT A [US], et al
- [X] SANFORD, J.: "Applying the PDR principle to AIDS", J. THEOR. BIOL., vol. 130, 1988, pages 469 - 480
- [PX] HAN L ET AL: "INHIBITION OF MOLONEY MURINE LEUKEMIA VIRUS-INDUCED LEUKEMIA IN TRANSGENIC MICE EXPRESSING ANTISENSE RNA COMPLEMENTARY TO THE RETROVIRAL PACKAGING SEQUENCES.", PROC NATL ACAD SCI U S A 88 (10). 1991. 4313-4317.
- See references of WO 9217211A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)

WO 9217211 A1 19921015; AU 1778092 A 19921102; AU 655279 B2 19941215; CA 2107789 A1 19921006; EP 0578776 A1 19940119; EP 0578776 A4 19950412; JP H06506599 A 19940728

DOCDB simple family (application)

US 9202911 W 19920403; AU 1778092 A 19920403; CA 2107789 A 19920403; EP 92910993 A 19920403; JP 51004892 A 19920403