

Title (en)
IMPROVEMENTS IN ANTISENSE OLIGOMERS, DELIVERY OF ANTISENSE OLIGOMERS, AND IDENTIFICATION OF ANTISENSE OLIGOMER TARGETS

Title (de)
VERBESSERUNGEN UND VERABREICHUNG VON ANTISENSE OLIGOMEREN, UND IDENTIFIZIERUNG DEREN ZIELEN

Title (fr)
PERFECTIONNEMENTS APPORTES A DES OLIGOMERES ANTISENS, ADMINISTRATION D'OLIGOMERES ANTISENS, ET IDENTIFICATION DE CIBLES D'OLIGOMERES ANTISENS

Publication
EP 1206532 A2 20020522 (EN)

Application
EP 00950992 A 20000803

Priority
• US 0021444 W 20000803
• US 14685799 P 19990803

Abstract (en)
[origin: WO0109312A2] Antisense oligomers which possess improved properties over those taught in the prior art are disclosed. Preferably, oligomers for delivery to a cell comprising at least one nucleomonomer having a silicon-based 2'OH protecting group, e.g., a tertbutyl dimethylsilyl group. Oligomers of between about 7 and about 12 nucleomonomers in length which are complementary to a site on an RNA target molecule selected from the group consisting of: the extreme 5' terminus of the RNA molecule, a 5' splice junction of the RNA molecule, and a 3' splice junction of the RNA molecule are provided. Oligomers comprising a neutral backbone which have been modified to comprise at least one charged group are also disclosed. In addition, methods of identifying an oligomer complementary to a cellular gene involved in a physiological process are provided.

IPC 1-7
C12N 15/11; C07H 21/00; C12Q 1/68; A61K 31/712; C12N 15/87

IPC 8 full level
C12N 15/113 (2010.01)

CPC (source: EP)
C12N 15/113 (2013.01); **C12N 2310/321** (2013.01); **C12N 2310/33** (2013.01); **C12N 2310/346** (2013.01)

C-Set (source: EP)
C12N 2310/321 + **C12N 2310/3521**

Citation (search report)
See references of WO 0109312A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0109312 A2 20010208; **WO 0109312 A3 20011004**; AU 6400600 A 20010219; EP 1206532 A2 20020522

DOCDB simple family (application)
US 0021444 W 20000803; AU 6400600 A 20000803; EP 00950992 A 20000803