

Title (en)

OLIGONUCLEOTIDE-TRANSPORT AGENT DISULFIDE CONJUGATES.

Title (de)

DISULFIDKONJUGATE VON OLIGONUKLEOTID-TRANSPORTAGENTEN.

Title (fr)

CONJUGUES A BASE DE DISULFURE D'OLIGONUCLEOTIDE ET D'UN AGENT DE TRANSPORT.

Publication

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Application

EP 91918074 A 19910329

Priority

US 50236190 A 19900329

Abstract (en)

[origin: WO9114696A1] The invention relates to compositions and methods for enhancing the delivery of an oligonucleotide into a cell. The compositions of the invention comprise oligonucleotide conjugates which consist of an oligonucleotide, conjugated via a molecular linker containing at least one disulfide bond, to an agent (termed herein "transport agent") which facilitates transport across an outer cell membrane, or across the blood-brain barrier. In a preferred aspect, the disulfide linkage is cleaved upon uptake of the composition by the cell. Pharmaceutical compositions comprising an oligonucleotide conjugate of the invention may be used to treat a wide variety of diseases and disorders. Methods for inhibiting the expression of a nucleic acid sequence within a cell, and methods for detecting a nucleic acid sequence within a cell are also provided. In a specific embodiment, an oligonucleotide conjugated to cholesterol via a linker containing a disulfide linkage can be used for therapeutic or diagnostic purposes, by hybridization of the oligonucleotide to a complementary nucleic acid sequence in a prokaryotic or eucaryotic cell.

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IPC 8 full level

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No further relevant documents have been disclosed.

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