

Title (en)

ANTI-VIRAL GUANOSINE-RICH TETRAD FORMING OLIGONUCLEOTIDES

Title (de)

ANTIVIRALE, GUANOSIN-REICHE OLIGONUKLEOTIDE, DIE EINE TETRADE BILDEN

Title (fr)

OLIGONUCLEOTIDES ANTIVIRAUX RICHES EN GUANOSINE FORMANT DES TETRADES

Publication

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Application

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Abstract (en)

[origin: WO9833807A1] Guanosine-rich oligonucleotides having sequences that favor the formation under physiological conditions of a stable four-stranded structure containing two stacked guanosine quartets (G4s) are disclosed. These oligonucleotides demonstrate enhanced nuclease resistance, cellular uptake and biological efficacy. Methods and composition for treating viral infection using these guanosine-rich oligonucleotides are also disclosed. Certain embodiments of the new oligonucleotides are 16-17 nucleotides long and contain at least one C-5 propynyl dU substitution. A method for designing anti-viral oligonucleotides is also disclosed.

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