Title (en)

PSEUDONUCLEOTIDE COMPRISING AN INTERCALATOR

Title (de)

PSEUDONUKLEOTIDE MIT INTERKALATOR

Title (fr)

PSEUDONUCLEOTIDE COMPRENANT UN INTERCALANT

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Abstract (en)

[origin: WO03052134A2] The present invention relates to oligonucleotides or oligonucleotide analogues comprising at least two intercalator pseudonucleotides. Intercalator pseudonucleotides are capable of being incorporated into the backdone of a nucleic acid analogue and comprise an intercalator comprising at least one essentially flat conjugated system, which is capable of co-stacking with nucleobases of a nucleic acid. Furthermore, the invention relates to methods of detecting nucleic acids or nucleic acid analogues comprising a specific target sequence, methods of differentiating between a nucleic acid or nucleic acid analogue comprising a specific target sequence and a nucleic acid comprising a mutant sequence which differs from the target sequence by at least one nucleobase, and methods for detecting a target sequence and/or a mutant sequence, which offer from the target sequence by at least one nucleobase. In preferred embodiments of the invention said methods involve the use of oligonucleotides or oligonucleotide analogues comprising at least two intercalator pseudonucleotides.

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