Claims:

1. Antisense-oligonucleotide consisting of 10 to 28 nucleotides and being LNA gapmers which contain at least one LNA at the 3' terminal end and at least one LNA at the 5' terminal end, and the antisense-oligonucleotide is capable of hybridizing with a region of the gene encoding the TGF-R_{II} or with a region of the mRNA encoding the TGF-R_{II}, wherein the region of the gene encoding the TGF-R_{II} or the region of the mRNA encoding the TGF-R_{II} comprises the sequence **CCCTAAACAC** (Seq. ID No. 5) or the sequence **ACTACCAAAT** (Seq. ID No. 6) or the sequence **GGACGCGTAT** (Seq. ID No. 7) or the sequence **GTCTATGACG** (Seq. ID No. 8) or the sequence **TTATTAATGC** (Seq. ID No. 9), and the antisense-oligonucleotide comprises a sequence complementary to said sequence **CCCTAAACAC** (Seq. ID No. 5) or sequence **ACTACCAAAT** (Seq. ID No. 6) or sequence **GGACGCGTAT** (Seq. ID No. 7) or sequence **GTCTATGACG** (Seq. ID No. 8) or sequence **TTATTAATGC** (Seq. ID No. 9) respectively and salts and optical isomers of said antisense-oligonucleotide.

2. Antisense-oligonucleotide according to claim 1, wherein the antisense-oligonucleotide hybridizes selectively only with the sequence **CCCTAAACAC** (Seq. ID No. 5) or the sequence **ACTACCAAAT** (Seq. ID No. 6) or the sequence **GGACGCGTAT** (Seq. ID No. 7) or the sequence **GTCTATGACG** (Seq. ID No. 8) or the sequence **TTATTAATGC** (Seq. ID No. 9) of the region of the gene encoding the TGF-R_{II} or of the region of the mRNA encoding the TGF-R_{II}.

3. Antisense-oligonucleotide according to claim 1 or 2, wherein the antisense-oligonucleotide has a length of 12 to 20 nucleotides and/or wherein the antisense-oligonucleotide has a gapmer structure with 1 to 5 LNA units at the 3' terminal end and 1 to 5 LNA units at the 5' terminal end and/or wherein the antisense-oligonucleotide has phosphate, phosphorothioate and/or phosphorodithioate as internucleotide linkages.

4. Antisense-oligonucleotide according to any one of the claims 1 – 3, wherein the antisense-oligonucleotide is represented by the following sequence:

5'-N^1-**GTCATAGA**-N^2-3' (Seq. ID No. 12) or

5'-N^3-**ACGCGTCC**-N^4-3' (Seq. ID No. 98) or

5'-N^5-**TTTGGTAG**-N^6-3' (Seq. ID No. 11) or