

Oligonukleotydy jako potencjalne czynniki terapeutyczne skierowane przeciw wirusowi zapalenia wątroby typu C

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Oligonucleotides as potential therapeutic tools against hepatitis C virus

Summary

Hepatitis C virus belongs to the group of particularly dangerous and most extensively studied RNA viruses. Since no vaccine for HCV is known and post-exposure treatment of infected patients has not been yet optimal, novel therapeutic strategies are being developed very intensively. Oligonucleotide-based molecular tools such as antisense oligonucleotides, ribozymes, DNazymes, aptamers and interfering RNAs are proving as effective modulators of gene expression and potential therapeutics. Several examples of oligonucleotide-based molecular tools directed towards HCV viral RNA are discussed in this review.

Key words:

Hepatitis C virus, oligonucleotide-based therapy, antisense oligonucleotide, ribozyme, aptamer, DNzyme, RNAi

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