

SIRNA FOR INHIBITING HEPATITIS B VIRUS AND USE THEREOF**ABSTRACT**

Provided are an siRNA for inhibiting hepatitis B virus and the use thereof.

5 Specifically provided is an oligonucleotide for inhibiting HBV or a pharmaceutically acceptable salt thereof. The oligonucleotide comprises an antisense strand, and the antisense strand comprises at least one modified nucleotide, wherein the nucleotide sequence of the antisense strand comprises a sequence or a fragment as set forth in any one of SEQ ID NOs: 3-35. The siRNA
10 has a significant inhibitory effect on HBsAg, HBV DNA and HBeAg produced by cccDNA and HBV DNA integrated into the host genome, both in vivo and in vitro, and has lasting efficacy. Compared with an original sequence, the optimized sequence not only improves the inhibitory effect and the efficacy cycle, but also reduces the off-target toxicity.

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No figure to accompany the abstract