

ABSTRACT

SIRNA FOR TARGETED INHIBITION OF AGT GENE EXPRESSION AND USE THEREOF IN TREATING HYPERTENSION

The present disclosure provides a modified oligonucleotide sequence and use thereof. A series of siRNAs were designed based on the angiotensinogen (AGT) messenger ribonucleic acid (mRNA) sequence, which were alternately modified or modified using a specific set of modification templates. The results from cell and animal experiments demonstrated that some oligonucleotide sequences with alternating modifications and specific template modifications can significantly inhibit AGT gene expression and may be used for the development of medicaments for treating hypertension and other related diseases.

Figure 1