

Abstract

RNA INHIBITOR FOR INHIBITING APOC3 GENE EXPRESSION AND USE THEREOF

The present invention pertains to the field of biopharmaceutics, and particularly relates to an RNA inhibitor for inhibiting APOC3 gene expression or a pharmaceutically acceptable salt thereof. The RNA inhibitor comprises a sense strand and an antisense strand. The sense strand and the antisense strand are each independently 15-30 nucleotides, preferably 19-23 nucleotides in length. At least 80% of the bases are complementary between the sense strand and the antisense strand. The RNA inhibitor further comprises the carrier structures 5'MVIP and 3'MVIP. The present application further relates to a pharmaceutical composition comprising the RNA inhibitor for inhibiting APOC3 gene expression and use thereof in the treatment and prevention of cardiovascular and cerebrovascular diseases.

Figure No. 9