

ABSTRACT

GALNAC MONOMER COMPRISING RIBOSE RING OR DERIVATIVE STRUCTURE
THEREOF AND USE THEREOF IN LIVER-TARGETED DELIVERY OF SMALL
NUCLEIC ACID DRUGS

The present disclosure provides a GalNAc monomer comprising a ribose ring or a derivative structure thereof and a use thereof in liver-targeted delivery of small nucleic acid drugs. Specifically provided is a compound of formula (I) or a pharmaceutically acceptable salt thereof. The GalNAc-conjugated oligonucleotide prepared from the GalNAc compound provided by the present disclosure can achieve efficient liver-targeted delivery and enhance drug efficacy.

