ABSTRACT

ORAL DELIVERY OF OLIGONUCLEOTIDES

The present disclosure provides oligonucleotide compositions comprising (1) an oligonucleotide of the present disclosure, e.g., an ASO, siRNA, shRNA, DNA or RNA aptamer, gene therapy vector, miRNA, miRNA mimic, antimiR, DNA or RNA decoy, CpG oligonucleotide, or any therapeutic or diagnostic oligonucleotide known in the art, and (ii) a caprylic acid derivative, e.g., 5-CNAC. In some aspects, the oligonucleotide composition is formulated for delivery to the gastrointestinal tract. Thus, some aspects, the present disclosure provides oligonucleotide compositions for oral delivery comprising a therapeutic or diagnostic oligonucleotide (e.g., an ASO) and a caprylic acid derivative (e.g., 5-CNAC or de derivative thereof).

No Figure