ABSTRACT

C-CLASS OLIGONUCLEOTIDE ANALOGS WITH ENHANCED IMMUNOSTIMULATORY POTENCY

The invention relates to a class of CpG immunostimulatory oligonucleotides containing a CpG immunostimulatory motif and a second motif which is capable of forming secondary structure, including duplex and higher order structures, in vitro and in vivo. The oligonucleotides of the invention are useful as adjuvants in vaccination. The oligonucleotides are also useful for inducing an immune response, inducing expression of a type I interferon (IFN), inducing expression of gamma interferon (IFN-γ), and for treating a variety of conditions, including allergy, asthma, infection, and cancer.

FIG. 5

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