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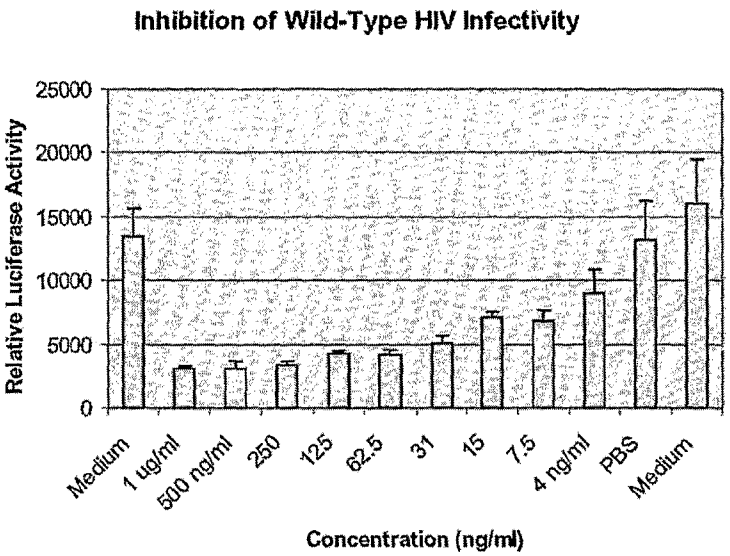
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(54) Title: USES OF RECOMBINANT SUPER-COMPOUND INTERFERONS




(57) Abstract: This invention provides different uses of recombinant super-compound interferons (rSIFN-cos) and its equivalent with changed spatial configuration, high efficacy and low side effects. Therefore, high dose of rSIFN-co may be used. One characteristic of rSIFN-co is its ability to inhibit the HBV DNA duplication and secretion of HBsAg and HBeAg in *in vitro* pharmacological studies. The cytotoxic effect of rSIFN-co is only one-eighth (1/8) of currently clinically available interferons but its anti-viral effect is approximately five to twenty (5-20) times higher, and when used in vivo it has a broader spectrum of clinical applications and longer biofeedback response. This invention further provides super-compound interferon or its equivalent, synthesis of artificial gene with codon preference which codes for said rSIFN-co and its equivalent, vector comprising said gene and appropriate expression system for expression of said rSIFN-co. Finally this invention provides the super-compound interferon (rSIFN-co) and its equivalent, a process to produce same and uses thereof .

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