

Title (en)
METHODS AND COMPOSITIONS FOR REGULATION OF CD28 EXPRESSION

Title (de)
VERFAHREN UND ZUSAMMENSETZUNG FÜR DIE REGULATION DER CD28-EXPRESSION

Title (fr)
METHODES ET COMPOSITIONS DE REGULATION DE L'EXPRESSION DE CD28

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Application
EP 96909477 A 19960205

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Abstract (en)
[origin: WO9624380A1] Oligomers are provided which are capable of reducing CD28 gene in a T cell. In addition to specific sequences, the invention includes a class of oligomers having at least two sequences of GGGG separated by 3 to 5 bases. Targets include CD28 gene, 5' untranslated regions and initiation codon, and their respective transcripts. Methods include use of the oligomers to moderate the pathogenic effects on the immune system in immune system-mediated diseases including graft versus host disease, septic shock syndrome, viral diseases, psoriasis, Type I (insulin-dependent) diabetes mellitus, thyroiditis, sarcoidosis, multiple sclerosis, autoimmune uveitis, rheumatoid arthritis, systemic lupus erythematosus and inflammatory bowel disease.

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Citation (search report)
• [DA] TAM R C ET AL: "BIOLOGICAL AVAILABILITY AND NUCLEASE RESISTANCE EXTEND THE IN-VITRO ACTIVITY OF A PHOSPHOROTHIOATE-3'-HYDROXYPROPYLAMINE OLIGONUCLEOTIDE", NUCLEIC ACIDS RESEARCH, (25 MAR 1994) VOL. 22, NO. 6, PP. 977-986., XP002096884
• [DA] MACAYA R F ET AL: "THROMBIN-BINDING DNA APTAMER FORMS A UNIMOLECULAR QUADRUPLEX STRUCTURE IN SOLUTION", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 90, April 1993 (1993-04-01), pages 3745 - 3749, XP002043117
• [T] TAM R C ET AL: "Oligonucleotide-mediated inhibition of CD28 expression induces human T cell hyporesponsiveness and manifests impaired contact hypersensitivity in mice.", JOURNAL OF IMMUNOLOGY, (1997 JAN 1) 158 (1) 200-8., XP002096885
• See also references of WO 9624380A1

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