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(54) Title: REDUCTION OF INFLAMMATORY DISEASE SYMPTOMS BY SHORT PEPTIDES THAT INHIBIT SIGNALING THROUGH CD28

(57) Abstract: The present disclosure relates to a method for the treatment of a non-pathogen associated inflammatory disorders in a subject in need thereof, comprising administering to said subject an isolated peptide which specifically binds to an amino acid sequence within the dimer interface of a T cell costimulatory pathway member, particularly the T cell costimulatory pathway members CD28 and CTLA4. The present disclosure also relates to pharmaceutical compositions comprising the isolated peptide and to use of the peptide in treating of a non-pathogen associated inflammatory disorders.