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(54) Title: HUMAN GLUCAGON-LIKE-PEPTIDE-1 MIMICS AND THEIR USE IN THE TREATMENT OF DIABETES AND RELATED CONDITIONS

(57) Abstract: The present invention provides novel human glucagon-like peptide-1 (GLP-1) peptide mimics that mimic the biological activity of the native GLP-1 peptide and thus are useful for the treatment or prevention of diseases or disorders associated with GLP activity. Further, the present invention provides novel, chemically modified peptides that not only stimulate insulin secretion in type II diabetics, but also produce other beneficial insulinotropic responses. These synthetic peptide GLP-1 mimics exhibit increased stability to proteolytic cleavage making them ideal therapeutic candidates for oral or parenteral administration.