ABSTRACT

LIQUID FORMULATION OF PROTEIN CONJUGATE COMPRISING THE OXYNTOMODULIN AND AN IMMUNOGLOBULIN FRAGMENT

The present invention relates to an albumin-free liquid formulation comprising a long-lasting oxyntomodulin conjugate in which an oxyntomodulin peptide comprising a derivative, variant, precursor or fragment of oxyntomodulin is linked to an immunoglobulin Fc region, which can increase the duration of physiological activity of the long-lasting oxyntomodulin conjugate and maintain the *invivo* stability thereof for an extended period of time, as compared to native oxyntomodulin, as well as a method for preparing the liquid formulation. The liquid formulation comprises a buffer, a sugar alcohol and a nonionic surfactant and does not contain a human serum albumin and factors that are potentially harmful to the human body, and thus is not susceptible to viral infection. In addition, the oxyntomodulin conjugate of the invention comprises oxyntomodulin linked to an immunoglobulin Fc region, and thus has a large molecular weight, prolonged physiological activity, and excellent storage stability, compared to native oxyntomodulin.

Fig. 2a