

ABSTRACT

The present invention provides a series of polypeptides containing a modified structure. The series of polypeptides act on three targets, i.e., GLP-1, GIP and GCG, and has prospects of being developed into drugs for the prevention or treatment of metabolic diseases, wherein the sequence of the polypeptides is as shown in formula Z-3.

$X_5X_0X_6GTFTSDYX_1X_7X_8KX_9X_{10}X_{11}X_0X_4FX_{12}X_{13}X_{14}LLX_{15}GGPSSGAPPPS_0$

Z-3