# GLUCAGON-LIKE PEPTIDE-1 ANALOGUE AND USE THEREOF

## Abstract

Provided is a glucagon-like peptide-1 (GLP-1) analogue shown as the following formula, wherein X is selected from glycine and glycinamide. The GLP-1 analogue has a non-proteogenic amino acid residue in position 8 relative to the sequence GLP-1, and is acylated with a moiety comprising two acidic groups to the lysine residue in position 26. The GLP-1 analogue is resistant to dipeptidyl peptidase IV so as to have an extended half-life *in vivo*. Also provided is a use of the GLP-1 analogue in conquering blood sugar.

