[0195] SPF grade SD rats were purchased from Chengdu Dashuo Experimental Animal Co., Ltd., male, weighing 200 to 250 g.

[0196] 2. The sequences of the polypeptides N1 to N54 are set forth in SEQ ID NO: 1 to SEQ ID NO: 54 in Table 1, and the synthesis methods are as follows:

[0197] Fmoc-protected resin was used as a starting material, , each amino acid was coupled one by one using the Fmoc solid phase synthesis method with a solid-phase peptide synthesizer to synthesize a fully protected peptide chain resin. The used amino acids were all natural L-form amino acids. The side chain fully protected peptide chain resin was cleaved by a cleavage reagent. The deprotected peptide was cleaved from the resin and the side chain protecting group was removed. A crude polypeptide was obtained by centrifugation and drying. Finally, the crude peptide was purified using preparative HPLC, specific components were collected, and lyophilized to obtain a purified polypeptide product. Purity detection conditions were: chromatography column: SepaxGP-C18 5μ 120Å 4.6*150 mm, mobile phase composition: phase A 0.1% TFA in H_2O; phase B 0.09% TFA in (80% CAN + 20% H_2O), flow rate 1.0ml / min, phase B increased from 28.0-30.0% to 38.0-40.0% in 20-30, and a single injection was 30 μl.

[0198] PEG modification method: first, mPEG-SC and polypeptide (mole ratio (1.5 to 2.0) : 1) were weighed and placed in 40 ml to 100 ml of PBS buffer solution (pH 5 to 8.5), and reacted overnight at 4 °C. The sample after reaction was purified using a semi-preparative high-performance liquid phase. The purification condition was: semi-preparative column: YMC, 250 mm × 10 mm (5 μm filler); mobile phase: CAN (+0.1% TFA), H_2O (+0.1% TFA); ACN linear gradient: 30%-35%; flow rate: 2 mL/min; running time: 15 min; loading volume: 1.0 ml; detection wavelength: 220 nm. When target peak rising, the product was collected by a centrifuge tube, pre-frozen in a -70 °C low temperature refrigerator overnight and then lyophilized using a freeze dryer until a whole white powder was visually observed (about 30 hours). Finally, the lyophilized product was obtained, weighed and recorded, and stored in a refrigerator at -20 °C for identification.

Table 1 Peptide Sequence

Peptide Sequence	SEQ ID NO:	Sequence
N1	1	TyrArgValArgPheLeuAlaLysGluAsnValThrGlnAspAlaGluAspAsn