

Table S1. IC₅₀ values of ultrafiltration fractions of chicken feather meal hydrolyzed by Flavourzyme against NO

Fraction (M/kDa)	NO radical scavenging activity IC ₅₀ /(μg/mL)
<0.65	(3.6±0.3) ^a
0.65-3	(5.8±0.6) ^{ab}
3-5	(7.12±0.5) ^b
5-10	(10.420.7) ^c
>10	(21.9±0.7) ^d

Data are presented as mean value±S.D. of three replicates. Different letters indicate significant differences among the groups according to Duncan's test (p≤0.05)

Table S2. NO radical scavenging activity of the Sephacryl S-100 fractionation (F₁₋₄)

Fraction	NO radical scavenging activity IC ₅₀ /(μg/mL)
F ₁	(73.5±2.8) ^b
F ₂	(34.6±3.4) ^a
F ₃	Not determined
F ₄	Not determined

Data are presented as mean value±S.D. of three replicates. Different letters indicate significant differences among the groups according to Duncan's test (p≤0.05)

Table S3. NO radical scavenging activity of the RP-HPLC (F₂₋₁ to F₂₋₅)

Fraction	NO radical scavenging activity IC ₅₀ /(μg/mL)
F ₂₋₁	(16.8±1.5) ^b
F ₂₋₂	(15.3±0.7) ^a
F ₂₋₃	(17.4±0.4) ^c
F ₂₋₄	Not determine
F ₂₋₅	(34.0±1.9) ^d

Data are presented as mean value±S.D. of three replicates. Different letters indicate significant differences among the groups according to Duncan's test (p≤0.05)

Table S4. Peptide synthesis derived from the RP-HPLC of F₂₋₁, F₂₋₂, F₂₋₃ and F₂₋₅ and their NO radical scavenging activity

Peptide sequence	Formula	M/Da	Purity/%	NO radical scavenging activity /mM
SNPSVAGVR	C ₃₆ H ₆₃ N ₁₃ O ₁₃	885.97	99.54	(55.2±0.2) ^a
SLFLHTHSIVADK	C ₆₇ H ₁₀₆ N ₁₈ O ₁₉	1467.67	99.46	(167.8±0.4) ^d
AVLKKKVTSTFGR	C ₆₅ H ₁₁₃ N ₁₉ O ₁₇	1434.73	98.37	(109.6±0.2) ^c
LSPWPVKGV	C ₄₈ H ₇₅ N ₁₁ O ₁₁	982.18	97.15	(87.4±0.4) ^b

Data are presented as mean value±S.D. of three replicates. Different letters indicate significant differences among the groups according to Duncan's test (p≤0.05)