

Table S1. Total phenolic content (TPC) and antiradical activity (DPPH) of undiluted red bean extracts using different mixtures of MeOH:H₂O. Values are reported as mean ± SD of independent experiments performed in triplicate.

Mixture (v/v)	TPC	DPPH
	(mg/mL undiluted extract)	(mmol TE/mL undiluted extract)
20:80	0.0171	7.6 × 10 ⁻⁴
70:30	0.0169	8.1 × 10 ⁻⁴
50:50	0.0179	8.4 × 10 ⁻⁴
30:70	0.0310	1.37 × 10 ⁻³
80:20	0.0252	1.17 × 10 ⁻³

TPC: total phenolic content; GAE: gallic acid equivalents; DPPH: antiradical activity; TE: Trolox equivalents

Table S2. Polyphenols content in undiluted red bean extracts. Results are expressed as mean \pm SD from three independent determinations.

Compound	Content (mg/mL undiluted extract)
Apigenin 7-O-glucoside	<LOQ
Catechin	<LOQ
Chlorogenic acid	7.5×10^{-6}
Cyanidin	1.1×10^{-4}
Cyanidin 3-glucoside	<LOQ
Cyanidin 3,5-diglucoside	2.8×10^{-5}
Daidzein	<LOQ
Delphinidin	5.1×10^{-4}
Delphinidin 3,5-diglucoside	3.5×10^{-5}
Ellagic acid	7.5×10^{-6}
Epicatechin	5.4×10^{-4}
Genistin	<LOQ
Isoquercetrin	1.7×10^{-4}
kaempferol 3-O-glucoside	1.3×10^{-4}
Luteolin	3.5×10^{-6}
Naringenin	<LOQ
Naringin	<LOQ
<i>p</i> -coumaric acid	3.2×10^{-4}
Protocatechiuc acid	8.8×10^{-5}
Quercetin	4.9×10^{-5}
Rosmarinic acid	<LOQ
Rutin	7.9×10^{-5}