SUPPLEMENTARY MATERIAL

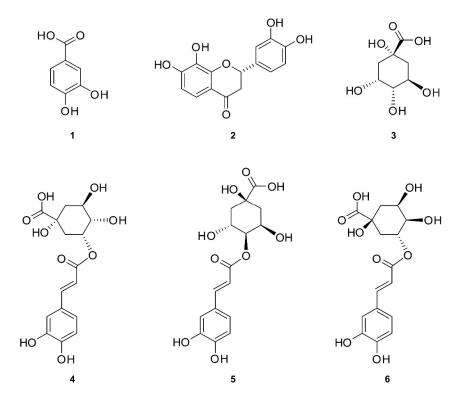
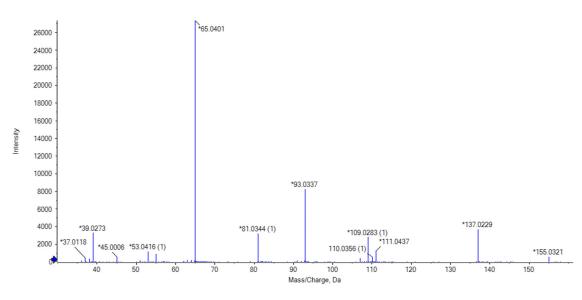


Figure S1. Chemical structures of compounds (1-6)





B

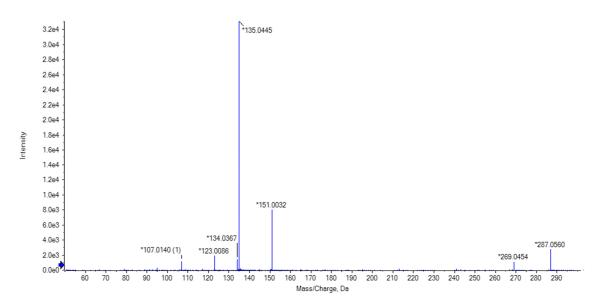
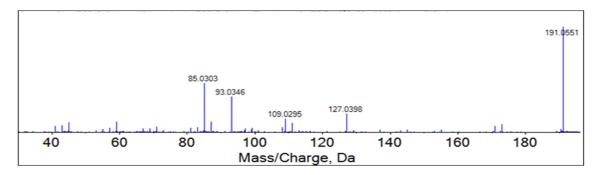
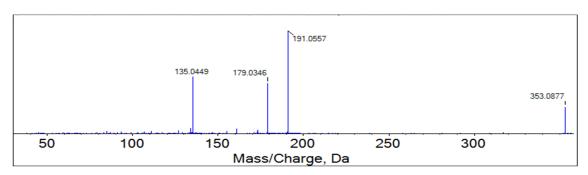


Figure S2. HR-ESI MS/MS spectra of compound 1 (A. protocatechuic acid) and compound 2 (B. isookanin).

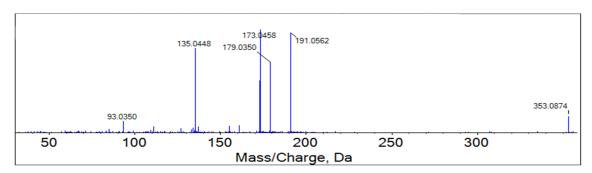




В



\mathbf{C}



D

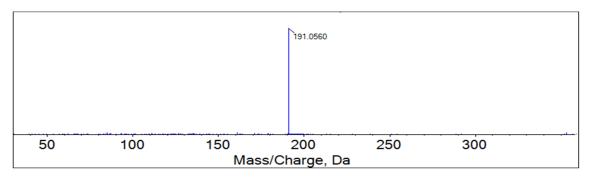


Figure S3. HR-ESI MS/MS spectra of compound **3** (A. (-)-quinic acid), compound **4** (B. 3-*O*-caffeoylquinic acid), compound **5** (C. 4-*O*-caffeoylquinic acid) and compound **6** (D. 5-*O*-caffeoylquinic acid).

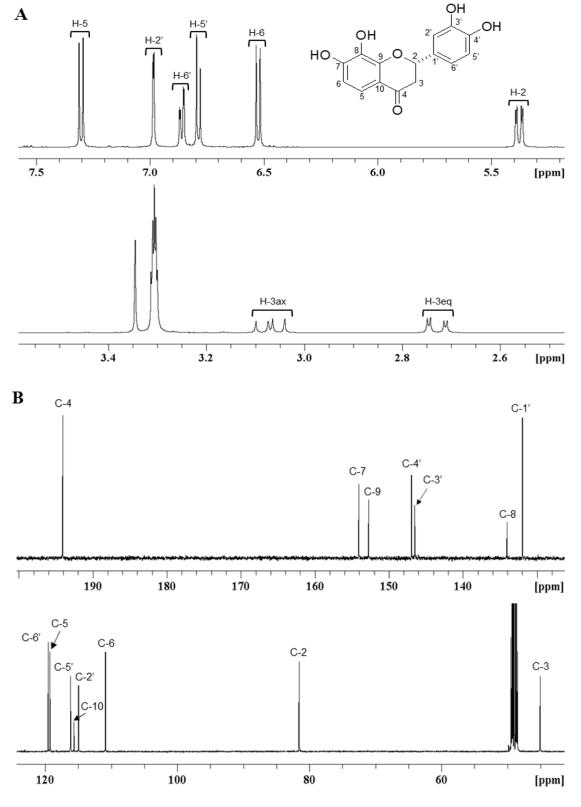


Figure S4. 1D NMR spectra of isookanin (2). (A) ¹H NMR spectrum and (B) ¹³C NMR spectrum. Inset shows the chemical structure of isookanin.

Full length Western blot

