Supplementary

Figure S1. HPLC chromatogram of fractionation of dichloromethane extract of Propolis.
Figure S2. Identification of active constituents in Fraction 2 (15.5–20 min). (A) The HPLC chromatogram of the fractions, (B) The HPLC chromatogram of authentic reference standards. 1 (taxifolin, Tr 10 min), 2 (morin, Tr 12 min), 3 (quercetin, Tr 12.8 min), 4 (fisetin, Tr 13.5 min), 5 (apigenin, Tr 15.0 min), and 6 (galangin, Tr 18.0 min).
**Figure S3.** Individual HPLC chromatograms for Apigenin, Morin and Taxifolin.
Figure S4. Individual HPLC Chromatograms for Quercetin and Galangin.
Figure S5. UHPLC/APCI-MS for the apigenin isolated from propolis.
Figure S6. HRMS for the Apigenin isolated from propolis.
Figure S7. UHPLC/APCI-MS for the galangin isolated from propolis.

UHPLC/APCI-MS, water: AcN (80:10, 0.05% formic acid) → (100 AcN) in 20 min, flow 0.5 ml/min, λ 280 nm

Galangin

8.85 min

271 u
Figure S8. HRMS for galangin isolated from propolis.