Supplemental Information

HPLC analysis of MA samples

MA samples were prepared by dissolving 40 mg of each extract in 1 mL of either water or ethanol. The resulting solutions were filtered through a 0.45 μm syringe filter before analysis. Chromatographic separation and verification of major compounds were performed using a Shimadzu HPLC system (model LC-2050C 3D). The separation employed water (Mobile Phase A) and acetonitrile (Mobile Phase B) at a flow rate of 1 mL/min. The column oven temperature was maintained at 40 °C. The gradient elution program began with 95% Mobile Phase A and 5% Mobile Phase B at 0 min and transitioned linearly to 100% Mobile Phase B by 60 min.

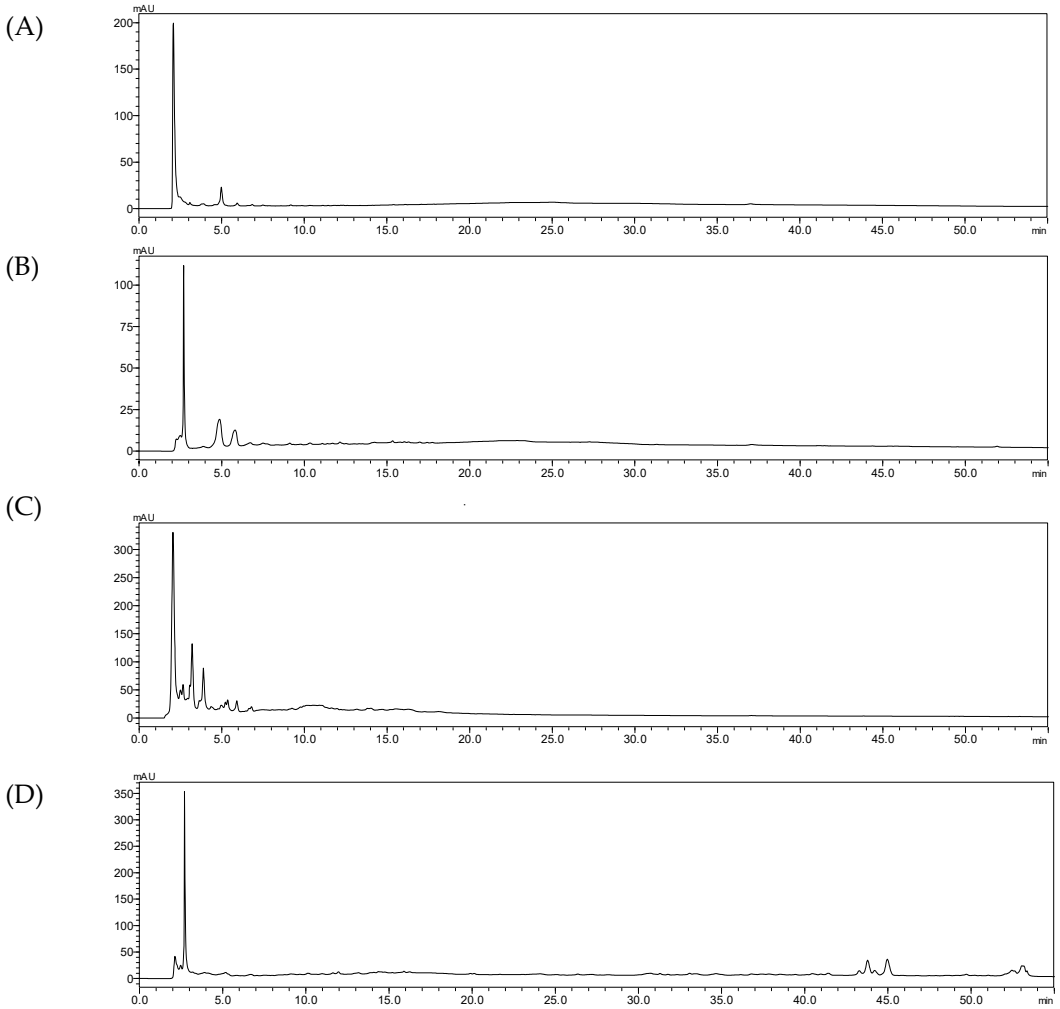


Figure S1. HPLC fingerprint analysis of Mulberry samples (280 nm): (A) MA-F-W; (B) MA-F-E; (C) MA-Ft-W; (D) MA-Ft-E.