Support information

Figures S1-S7 below exhibit the chromatograms of the 7 crude extracts obtained with factorial design. Extraction conditions for each extract are shown in parentheses in the respective figure legend.

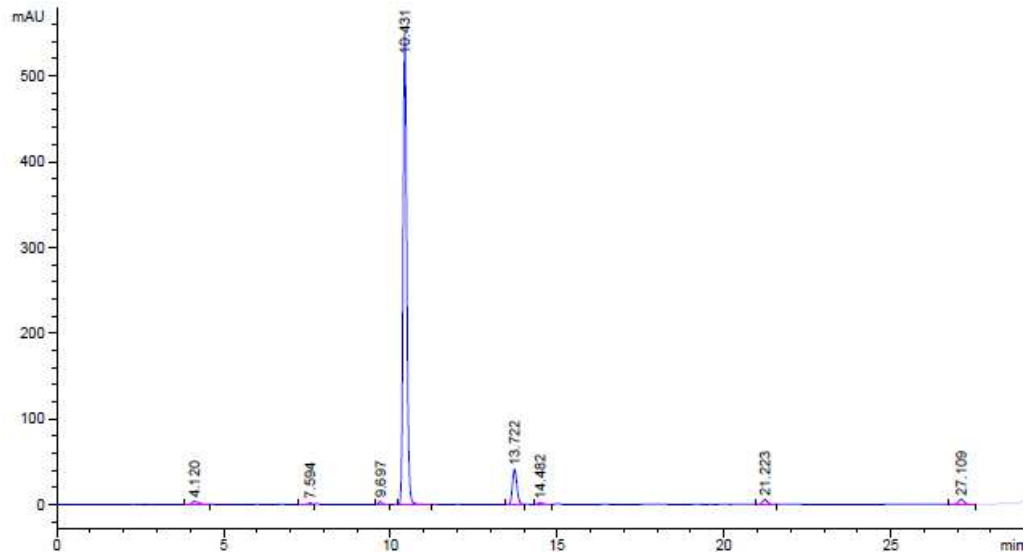

Figure S1. Chromatogram of extract 1 (P = 120 bar, cosolvent: water).

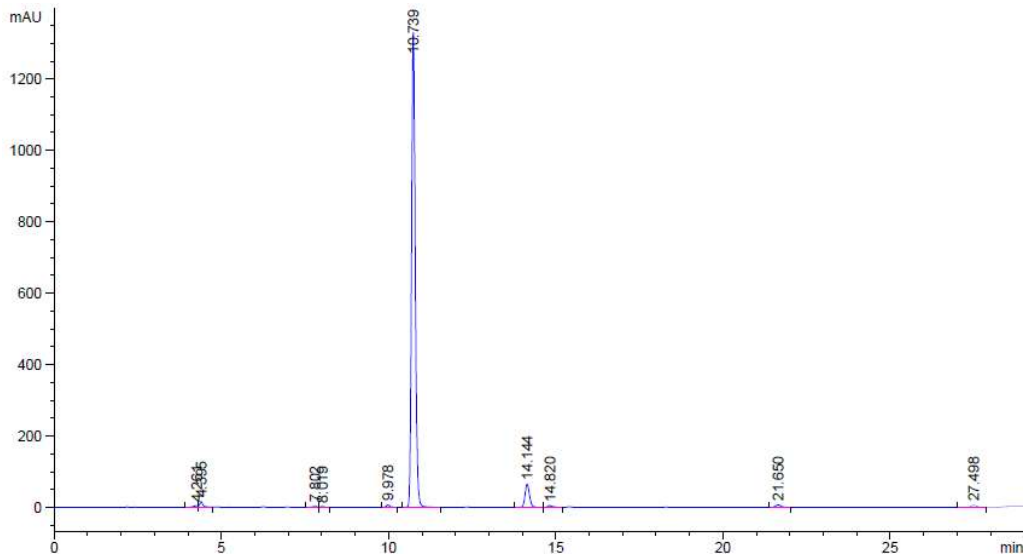

Figure S2. Chromatogram of extract 2 (P = 120 bar, cosolvent: ethanol).

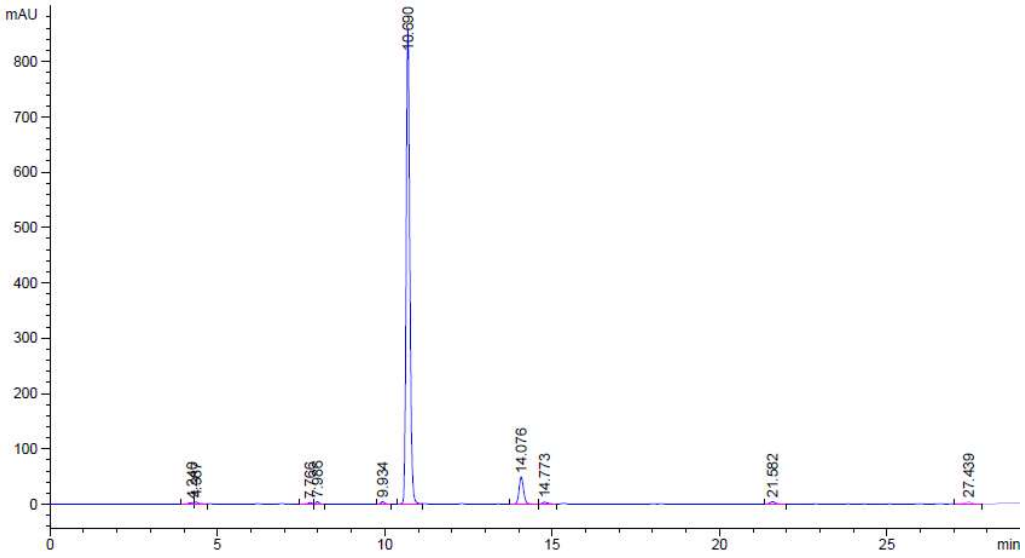

Figure S3. Chromatogram of extract 3 (P = 240 bar, cosolvent: water).

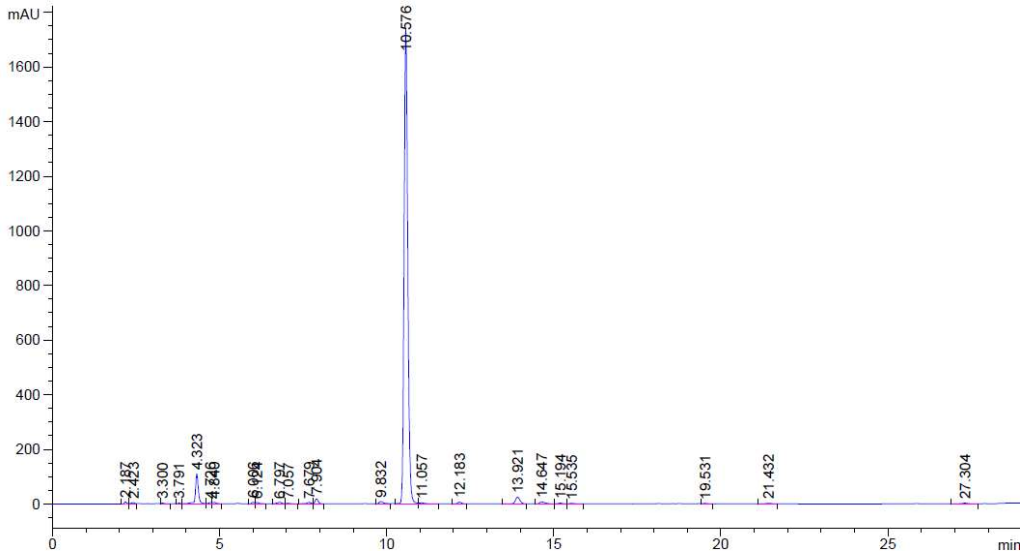

Figure S4. Chromatogram of extract 4 (P = 240 bar, cosolvent: ethanol).

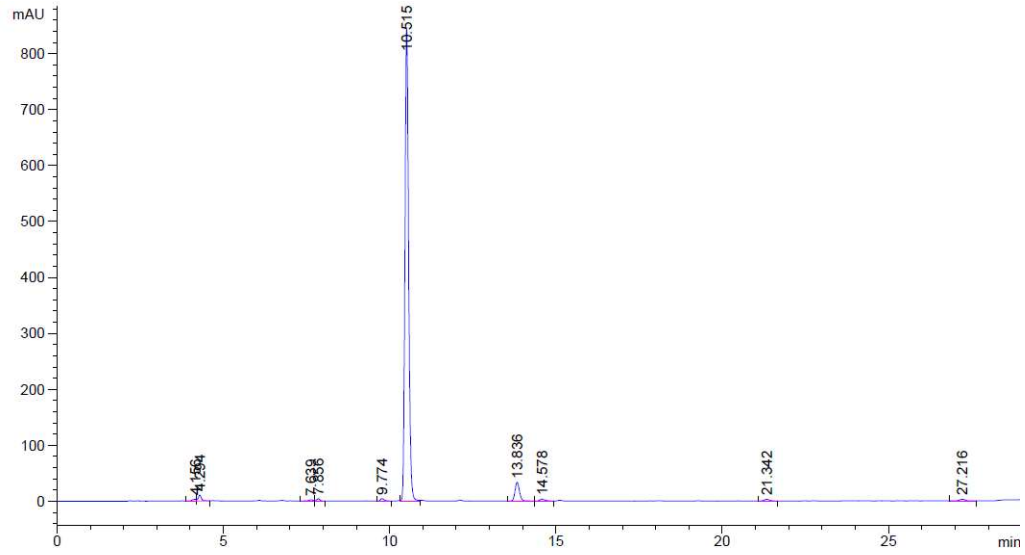

Figure S5. Chromatogram of extract 5 (P = 180 bar, cosolvent: ethanol:water).

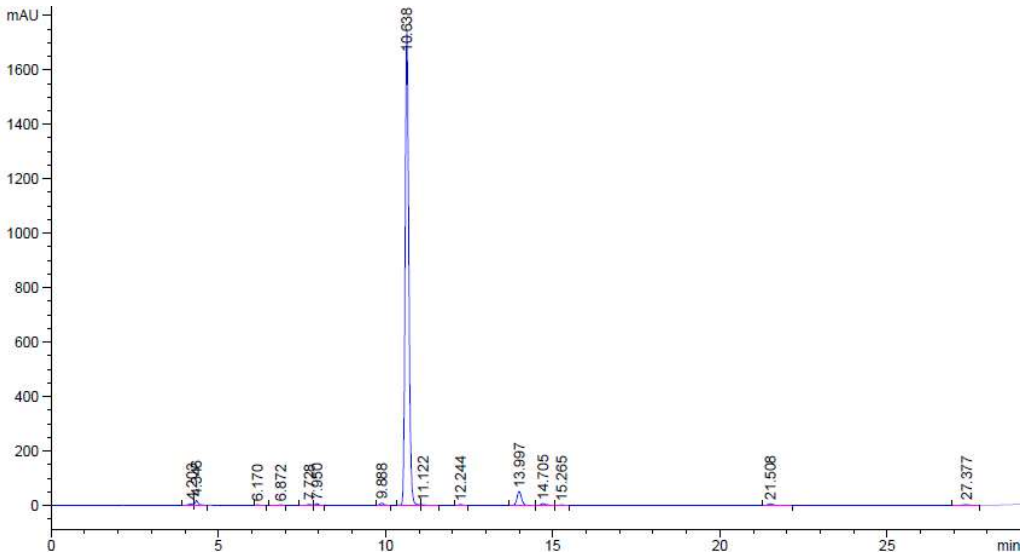

Figure S6. Chromatogram of extract 6 (P = 180 bar, cosolvent: ethanol:water).

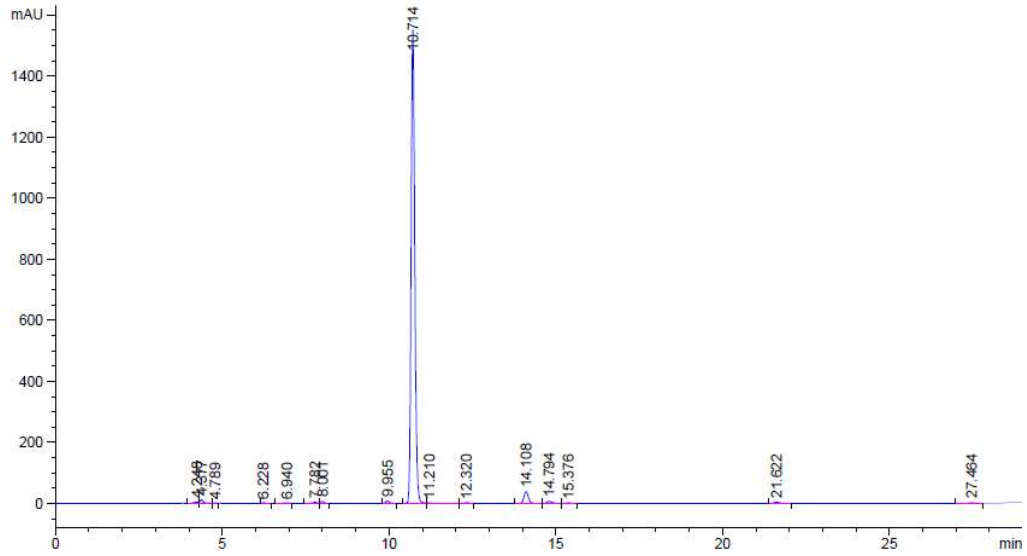

Figure S7. Chromatogram of extract 7 (P = 180 bar, cosolvent: ethanol:water).

Figures S8 and S9 present analysis results after extract purification. The compound *p*-anisic acid was concentrated at subfractions 4 and 5 that was evidenced by HPLC analysis (Figure S8).

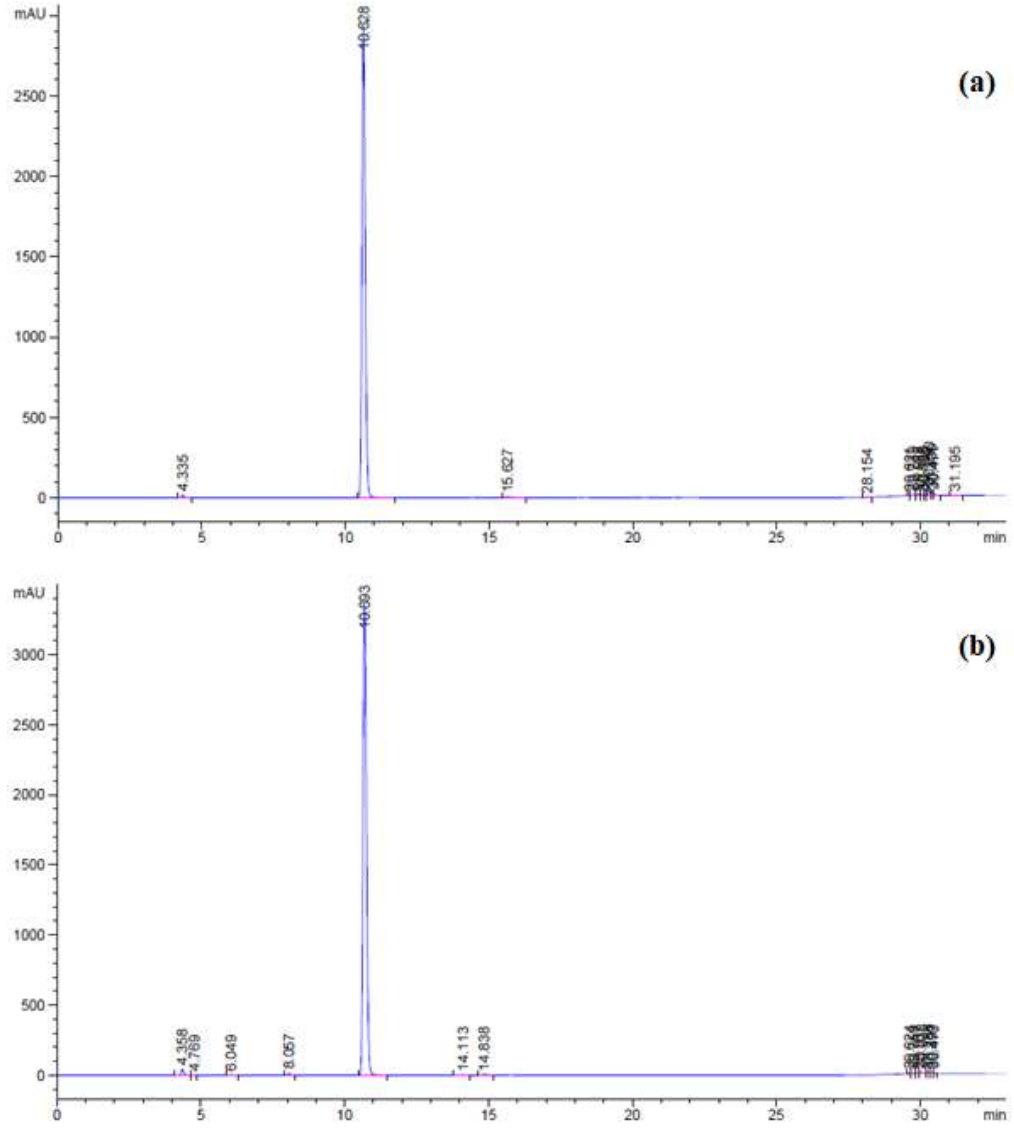

Figure S8. Chromatograms of (**a)** subfraction 4 and (**b**) subfraction 5 were obtained by silica gel column chromatography separation.

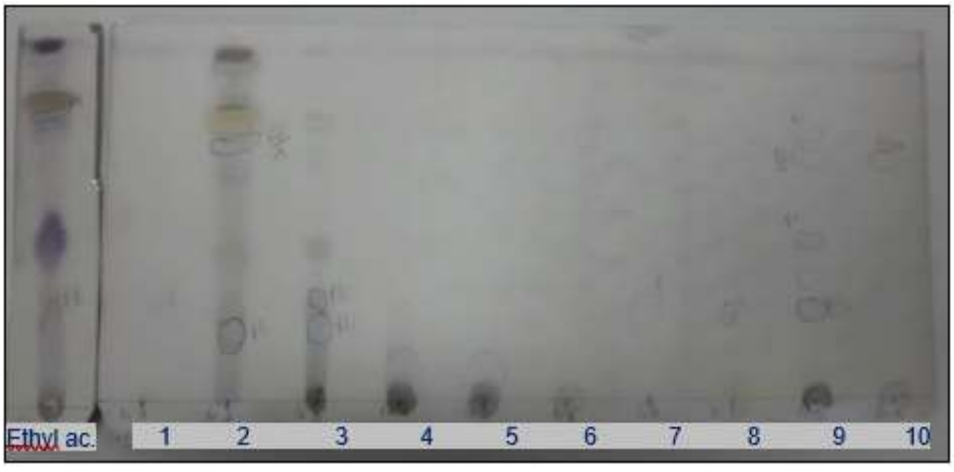

Figure S9. TLC for the ethyl acetate fraction and subfractions 1–10 after application of sulfuric vanillin as color reagent (the marks drawn represent the spots visualized under U.V. light).

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