

Article

UPLC-MS Characterization and Antioxidant, Protective, and Anti-Inflammatory Activity of the Polyphenolic Fraction from *Ocimum basilicum*

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Table S1. Mass data of the compounds found in the extracts from *Ocimum basilicum*.

| R _T (min.) | Mass Data (m/z-H) | Fragment (m/z-H) | Formula | Δ ppm | Component |
|--------------------------|----------------------|---------------------|---|-------|---------------------------------|
| 1.56 | 191.05632 | | C ₇ H ₁₂ O ₆ | 1.08 | Quinic acid (str) |
| 1.66 | 133.01471 | | C ₄ H ₆ O ₅ | 3.46 | Malic acid (str) |
| 2.01 | 191.01983 | | C ₆ H ₈ O ₇ | 0.54 | Citric acid (str) |
| 7.64 | 311.0405 | (135,179) | C ₁₃ H ₁₂ O ₉ | -1.14 | Caftaric acid (str) |
| 7.84 | 203.08204 | | C ₁₁ H ₁₂ N ₂ O ₂ | -2.75 | Tryptophan (str) |
| 12.09 | 417.09061 | (221) | C ₁₃ H ₂₂ O ₁₅ | 4.82 | unidentified |
| 12.44 | 401.18237 | (221) | C ₁₉ H ₃₀ O ₉ | 1.65 | unidentified |
| 12.76 | 341.08655 | (179,135) | C ₁₅ H ₁₈ O ₉ | -3.67 | Caffeic acid hexoside |
| 13.63 | 179.03502 | (135) | C ₉ H ₈ O ₄ | 0.21 | Caffeic acid (str) |
| 16.23 | 387.16687 | (207) | C ₁₈ H ₂₈ O ₉ | 2.10 | Tuberonic acid glucoside |
| 16.79 | 295.04533 | (135, 179) | C ₁₃ H ₁₂ O ₈ | -2.06 | Caffeoylmalic acid |
| 18.39 | 357.0618 | (269, 313) | C ₁₇ H ₁₄ O ₆ | 0.58 | unidentified |
| 20.93 | 473.07402 | (149,179,293,311) | C ₂₂ H ₁₈ O ₁₂ | 3.10 | Chicoric acid (str) |
| 21.73 | 473.07389 | (149,179,293,311) | C ₂₂ H ₁₈ O ₁₂ | 2.83 | Chicoric acid isomer |
| 28.64 | 487.08856 | (135,161,179,193) | C ₂₃ H ₂₀ O ₁₂ | 0.74 | Caffeoyl feruloyl tartaric acid |
| 31.28 | 359.07583 | (135,161, 179,197) | C ₁₈ H ₁₆ O ₈ | -3.92 | Rosmarinic acid isomer |
| 33.16 | 719.16028 | (519,555) | C ₃₆ H ₃₂ O ₁₆ | -2.05 | Rashomonic acid |
| 33.86 | 359.07669 | (135,161, 179,197) | C ₁₈ H ₁₆ O ₈ | -1.53 | Rosmarinic acid (str) |
| 36.73 | 717.14802 | | C ₃₆ H ₃₀ O ₁₆ | 2.66 | Salvianolic acid (str) |

str - identification was confirmed using standard

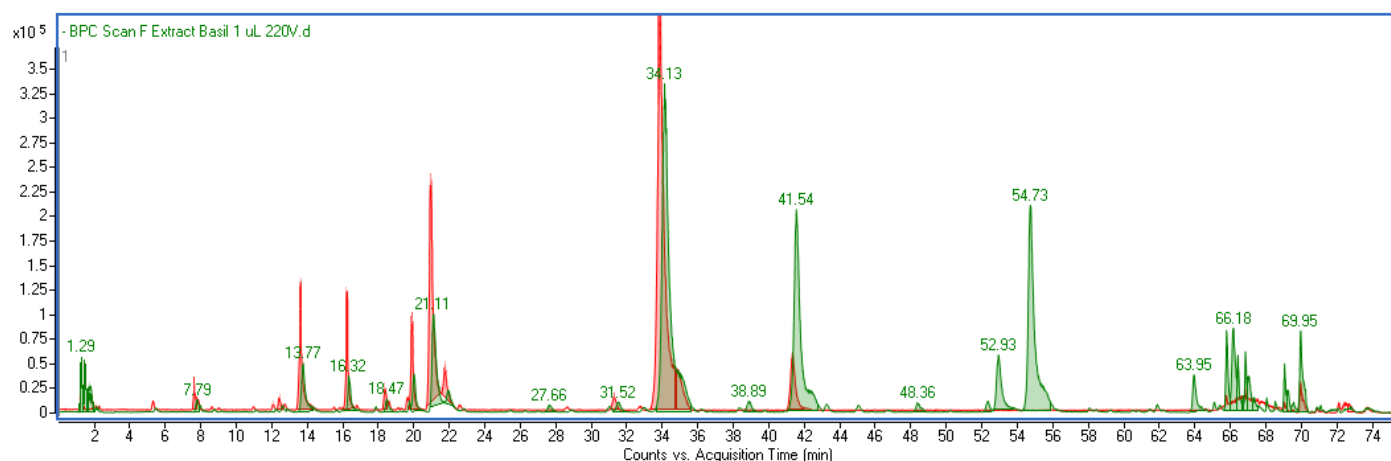


Figure S1. Overlapped base peak chromatograms (BPC) of ethanol-water extract of *Ocimum basilicum* (green line) and the polyphenolic fraction isolated from ethanol-water extract (red line).

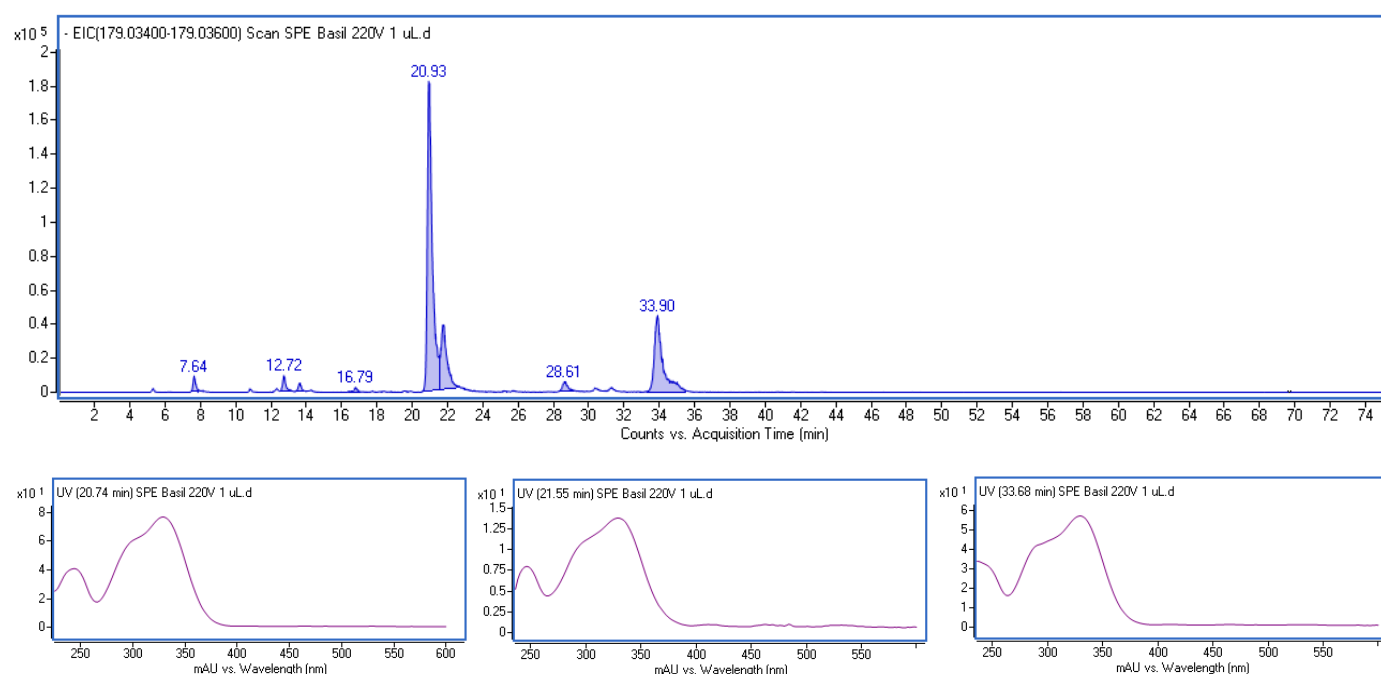


Figure S2. Extracted ion chromatogram (EIC) in the range of 179.034-179.036 m/z of the polyphenolic fraction isolated from ethanol-water extract of *Ocimum basilicum* and UV-Vis spectra of the main components