

Article

Analysis of Marrubiin in *Marrubium alysson* L. Extract Using Advanced HPTLC: Chemical Profiling, Acetylcholinesterase Inhibitory Activity and Molecular Docking

Supplementary Materials

- 1) **Figure S1.** Chromatograms of HPTLC scanned at $\lambda = 510$ nm (a: standard marrubiin, b: *M. alysson* L. extract)
- 2) **Figure S2.** Chromatogram of GC-MS analysis of fatty acid methyl esters of *M. alysson* L.
- 3) **Figure S3.** Mass spectra of major phytochemicals listed in Table 1.
- 4) **Figure S4.** Chromatogram of GC-MS analysis of unsaponifiable matter of *M. alysson* L.
- 5) **Figure S5.** Mass spectrum of phytol, a major phytochemical listed in Table 2.

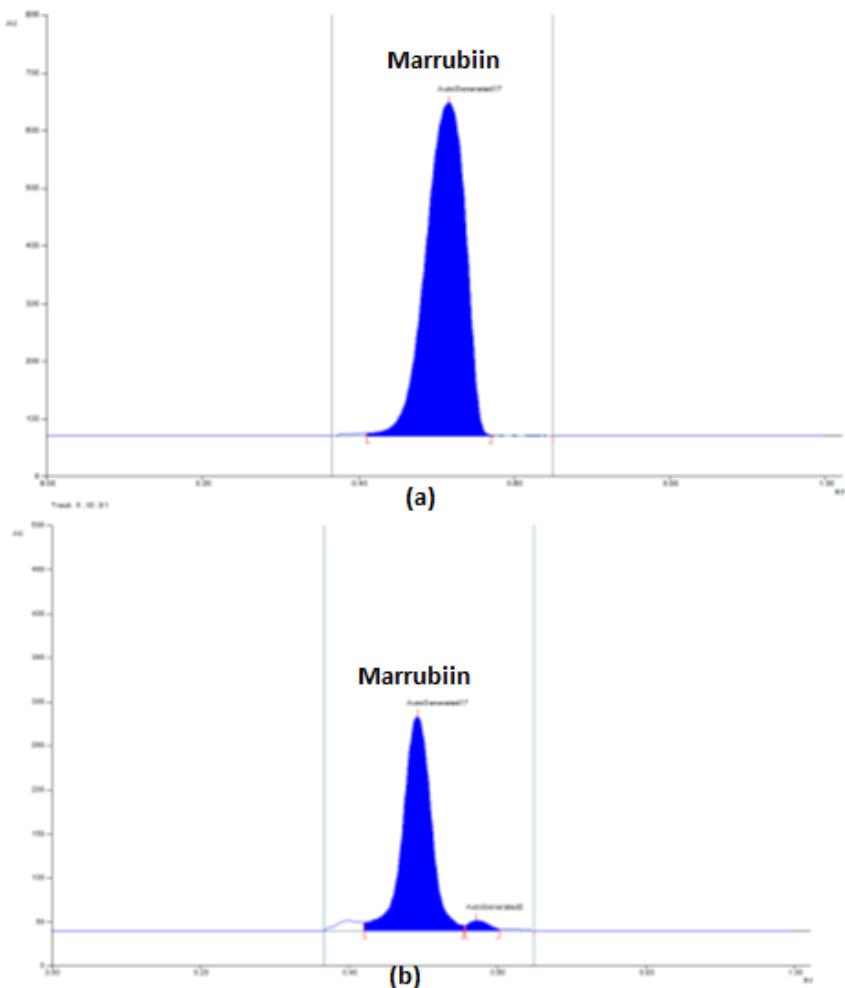


Figure S1. Chromatograms of HPTLC scanned at $\lambda = 510$ nm (a: standard marrubiin, b: *M. alysson* L. extract)

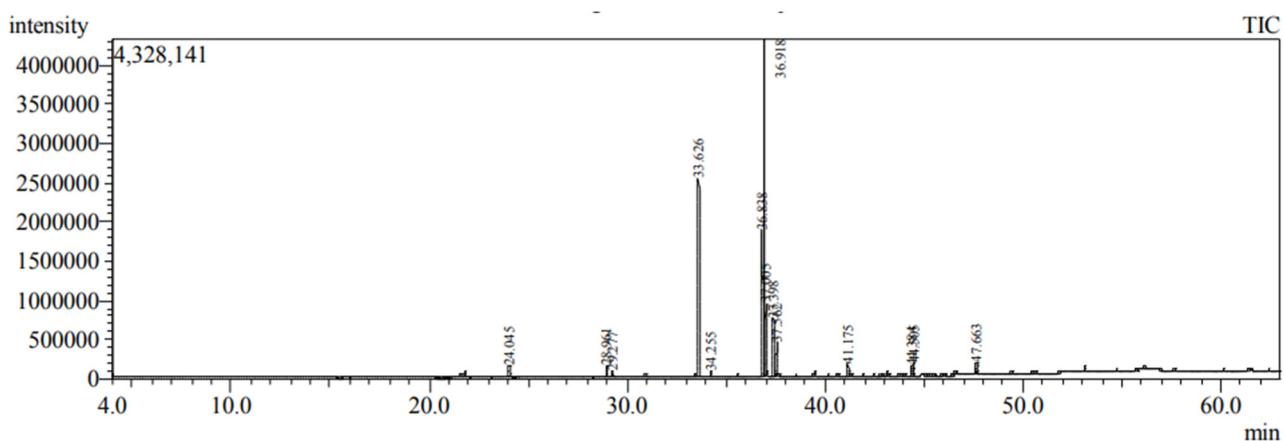


Figure S2. Chromatogram of GC-MS analysis of fatty acid methyl esters of *M. alysson* L.

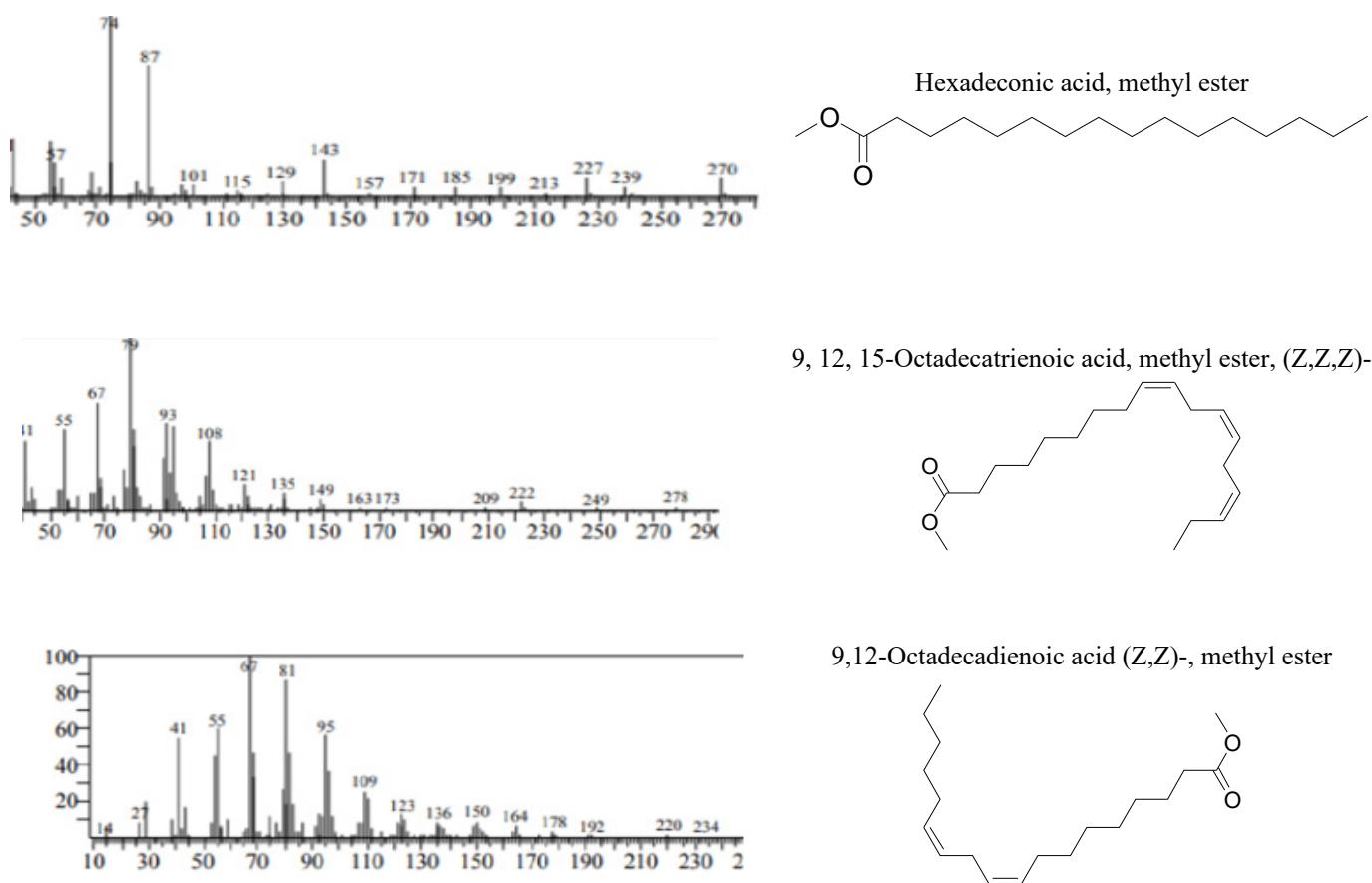


Figure S3. Mass spectra of major phytochemicals listed in Table 1.

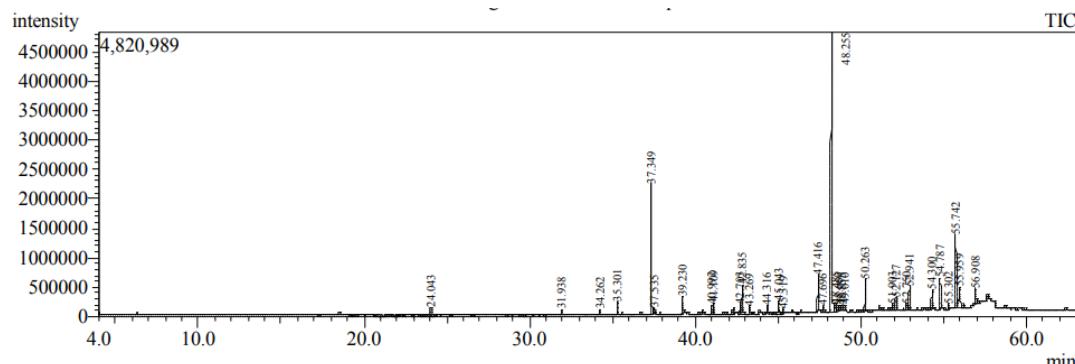


Figure S4. Chromatogram of GC-MS analysis of unsaponifiable matter of *M. alysson* L.

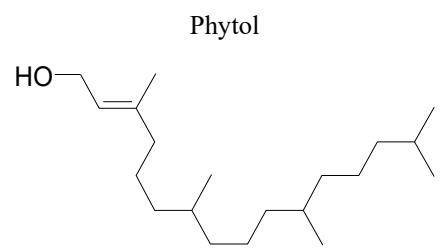
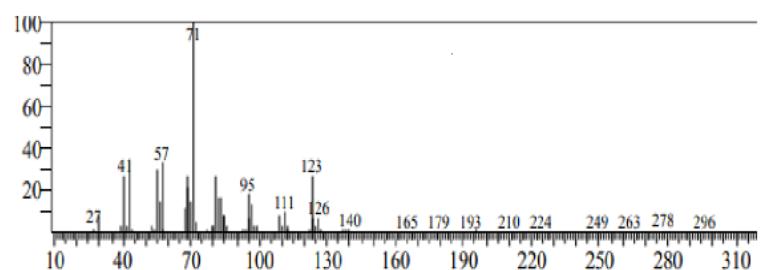


Figure S5. Mass spectrum of phytol, a major phytochemical listed in Table 2.