



Supplementary

Atratic Acid Exhibits Anti-Inflammatory Effect in Lipopolysaccharide-Stimulated RAW264.7 Cells and Mouse Models

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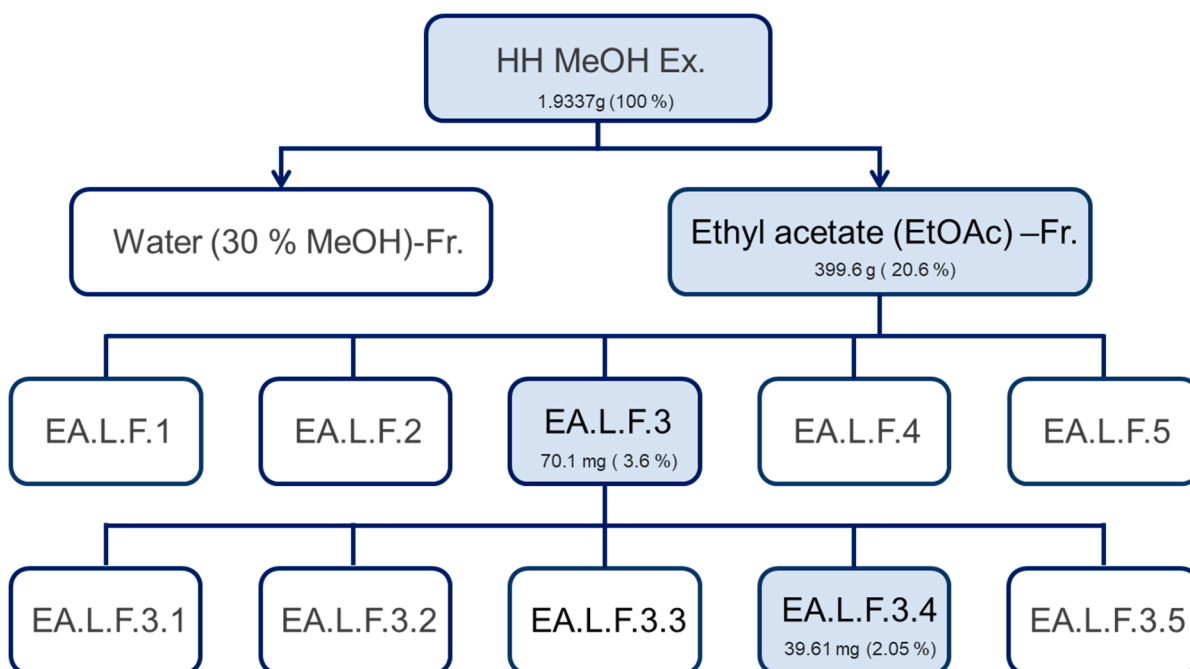


Figure 1. Procedure for fractionation and separation by HH MeOH extracts (Ext.). Final fraction is atratic acid (EA.L.F.3.4). Abbreviations: HH, *Heterodarmia hypoluca*; EA. L.F, Ethyl acetate layer fraction.

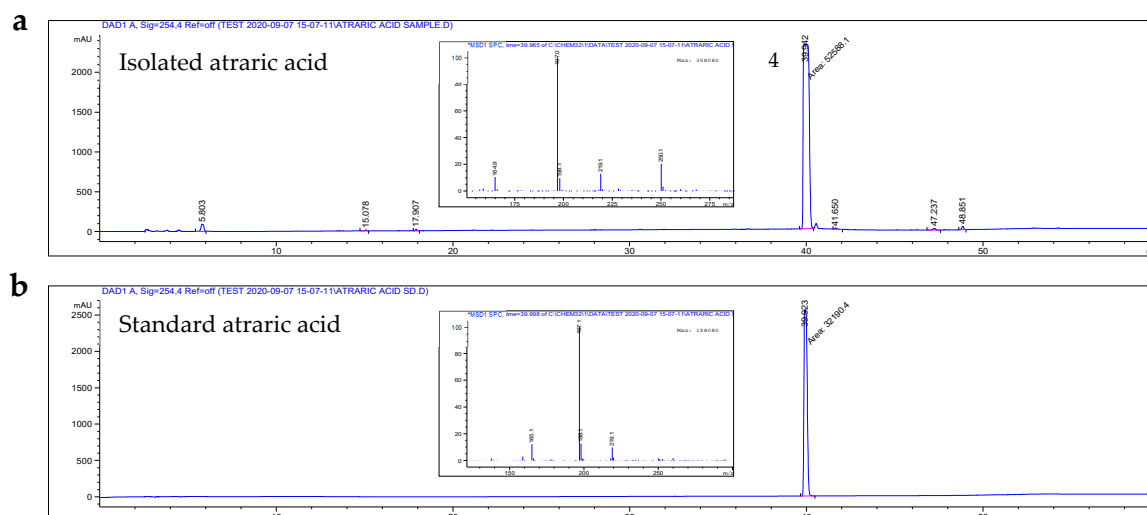


Figure 2. HPLC chromatograms profiles of atraric acid. LC-MS/ELSD analysis was performed to analyze the purified atraric acid. As analysis conditions, the initial solvent 5% solvent B hold at for 5min. The gradient condition, Solvent B was then increased from 5% to 70% within 40min, following proportions solvent B; 45-50min, 70-100%, hold at B; 100% for 10min. (a) atraric acid isolated from HH, (b) standard.

Table 1. Integration of chromatogram.

#	Time	Area	Height	Width	Area%
1	5.803	1041.4	90.5	0.1583	1.913
2	15.078	73.9	11.4	0.0975	0.136
3	17.907	98.1	15.7	0.0968	0.18
4	39.942	52588.1	2316.2	0.3784	96.598
5	41.65	112.2	13.3	0.1281	0.206
6	47.237	194.2	19.9	0.1516	0.357
7	48.851	332.3	42.7	0.1208	0.61