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Hypolipidemic effects of *Myrica rubra* extracts and main compouds in C57BL/6j mice

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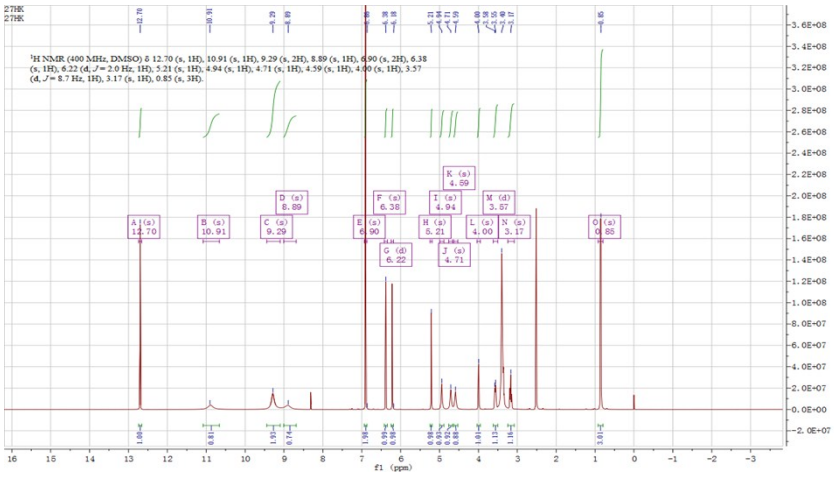

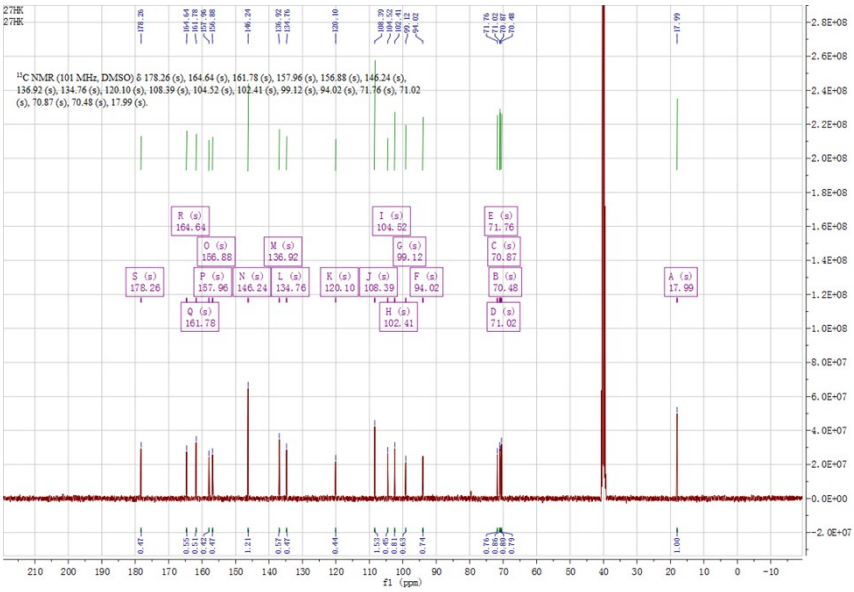

Figure 1S. ^{1}H NMR，^{13}C NMR spectra of myricetrin

^{1}HNMR (400 MHz, DMSO) δ 12.70 (s, 1H), 10.91 (s, 1H), 9.29 (s, 2H), 8.89 (s, 1H), 6.90 (s, 2H), 6.38 (s, 1H), 6.22 (d, *J* = 2.0 Hz, 1H), 5.21 (s, 1H), 4.94 (s, 1H), 4.71 (s, 1H), 4.59 (s, 1H), 4.00 (s, 1H), 3.57 (d, *J* = 8.7 Hz, 1H), 3.17 (s, 1H), 0.85 (s, 3H).

^{13}CNMR (101 MHz, DMSO) δ 178.26 (s), 164.64 (s), 161.78 (s), 157.96 (s), 156.88 (s), 146.24 (s), 136.92 (s), 134.76 (s), 120.10 (s), 108.39 (s), 104.52 (s), 102.41 (s), 99.12 (s), 94.02 (s), 71.76 (s), 71.02 (s), 70.87 (s), 70.48 (s), 17.99 (s).

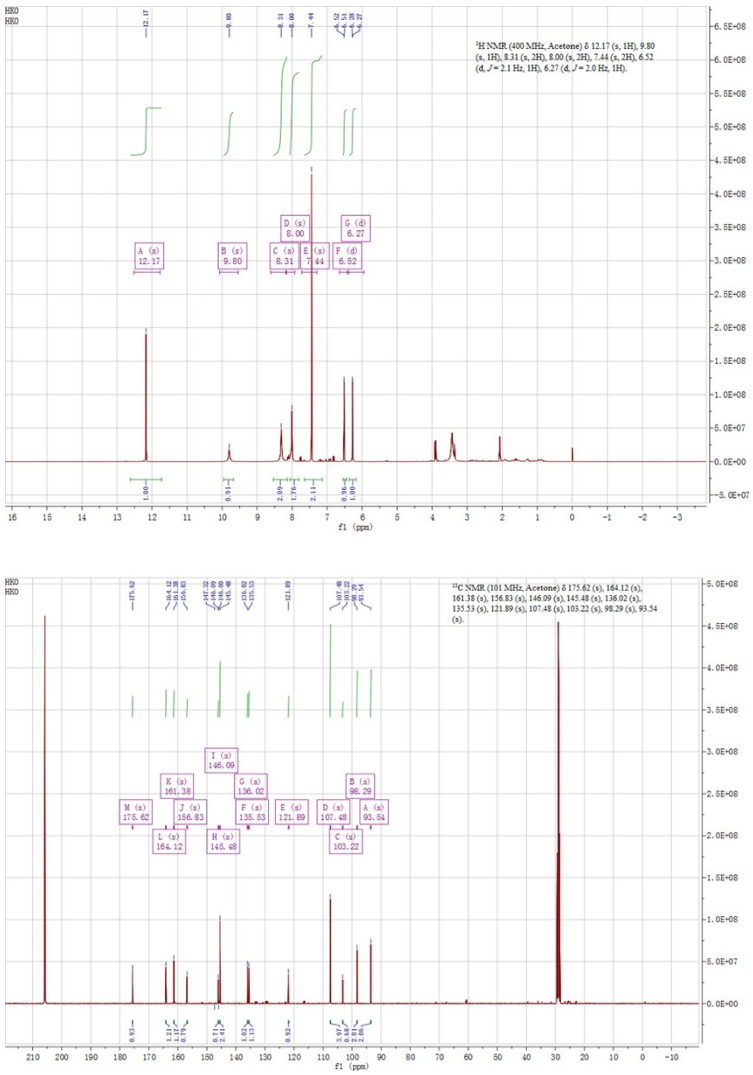

Figure 2S. ^{1}H NMR，^{13}C NMR spectra of myricetin

^{1}H NMR (400 MHz, Acetone) δ 12.17 (s, 1H), 9.80 (s, 1H), 8.31 (s, 2H), 8.00 (s, 2H), 7.44 (s, 2H), 6.52 (d, J = 2.1 Hz, 1H), 6.27 (d, J = 2.0 Hz, 1H).

^{13}C NMR (101 MHz, Acetone) δ 175.62 (s), 164.12 (s), 161.38 (s), 156.83 (s), 146.09 (s), 145.48 (s), 136.02 (s), 135.53 (s), 121.89 (s), 107.48 (s), 103.22 (s), 98.29 (s), 93.54 (s).

Supplemental Table 1. Food intakes of C57 mice

Day	Food intake of each group (g/day/per mice)					
	NC	HFHC	Myricetin	Myricetrin	AF	EF
7	2.33±0.30	2.95±0.58	2.11±0.24	2.51±0.32	2.48±0.37	2.69±0.38
14	2.67±0.22	2.34±0.41	2.30±0.22	2.77±0.43	2.73±0.50	2.28±0.37
21	2.77±0.36	2.50±0.23	2.61±0.43	2.27±0.36	2.74±0.41	2.51±0.45
28	2.91±0.49	2.22±0.21	2.39±0.39	2.81±0.52	2.80±0.50	2.50±0.66

Values were means ± SD, *n* = 8 mice in each group. AF: Alcohol fraction ; EF: Ethyl acetate

Supplemental Table2 Effect of *Myrica rubra* extracts on liver and epididymal adipose tissue weight of hyperlipidemia C57 mice

Group	NC	HFHC	Myricetin	Myricetrin	AF	EF
Epididymal adipose tissue weight (g)	0.24±0.08	0.38 ±0.10	0.27±0.06	0.36±0.05	0.26±0.05	0.29±0.08
Liver weight (g)	1.22±0.35	1.38±0.56	1.25±0.32	1.32±0.49	1.30±0.48	1.26±0.52
Kidney weight (g)	0.31±0.06	0.33±0.07	0.34±0.08	0.32±0.07	0.36±0.08	0.32±0.06

Values were means ± SD, *n* = 8 mice in each group. AF: Alcohol fraction ; EF: Ethyl acetate