

Supporting Information (Manuscript ID: jf-2010-03497p)**Table 1.** Effects of the purified Chinese sweet leaf tea extract (GER) on the hematology test of diet-induced obese rats.

	Groups		
	HFD	LFD	HFD + GER
Erythrocyte (10⁶/μl)	8.09 ± 0.11 [¥]	8.03 ± 0.14	8.16 ± 0.16
Hemoglobin (g/dL)	14.89 ± 0.34 [¥]	14.37 ± 0.30	14.13 ± 0.34
Hematocrit (%)	42.06 ± 0.46 [¥]	41.69 ± 0.93	41.62 ± 0.84
RDW (%)	11.93 ± 0.03 [¥]	11.89 ± 0.08 [¥]	11.90 ± 0.08 [¥]
MCV (fL)	52.60 ± 0.54	52.64 ± 0.46	52.45 ± 0.58
MCH (pg)	18.04 ± 0.44	17.96 ± 0.44	16.97 ± 0.58
MCHC (g/dL)	34.66 ± 0.26	34.51 ± 0.20 [¥]	34.59 ± 0.22 [†]
Platelets (10³/μl)	573.70 ± 96.80	582.20 ± 74.25	617.40 ± 94.05
MPV (fL)	7.07 ± 0.41 [¥]	7.28 ± 0.50	7.53 ± 0.54
Total WBC (10³/μl)	3.55 ± 0.32	3.73 ± 0.35 [¥]	4.08 ± 0.32

All values were expressed as mean ± standard error where n=10, unless otherwise specified. Different letters on each row indicated a significant difference at $p \leq 0.05$. [†]n=8; [¥]n=9. HFD, High fat diet control group; LFD, Low fat diet control group; HFD + GER, High-fat diet group treated with purified Chinese sweet leaf tea.

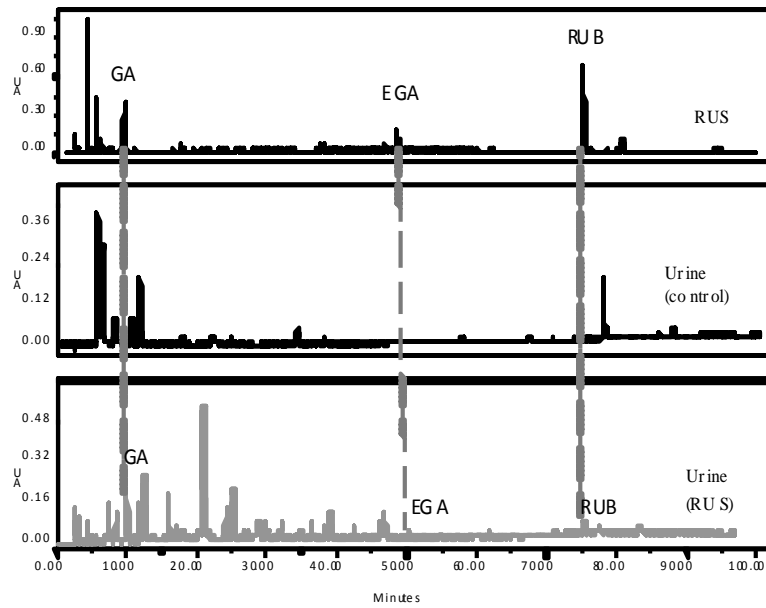


Figure 1. Chromatographic fingerprints of the standardized Chinese sweet leaf tea (*Rubus suavissimus*) extract (RUS), the control (blank diet), and RUS-treated urine samples indicating the presence of the three major marker compounds, gallic acid (GA), ellagic acid (EGA), and rubusoside (RUB) obtained from the normal SD rats after a single oral administration of 1 g/kg via oral gavage.

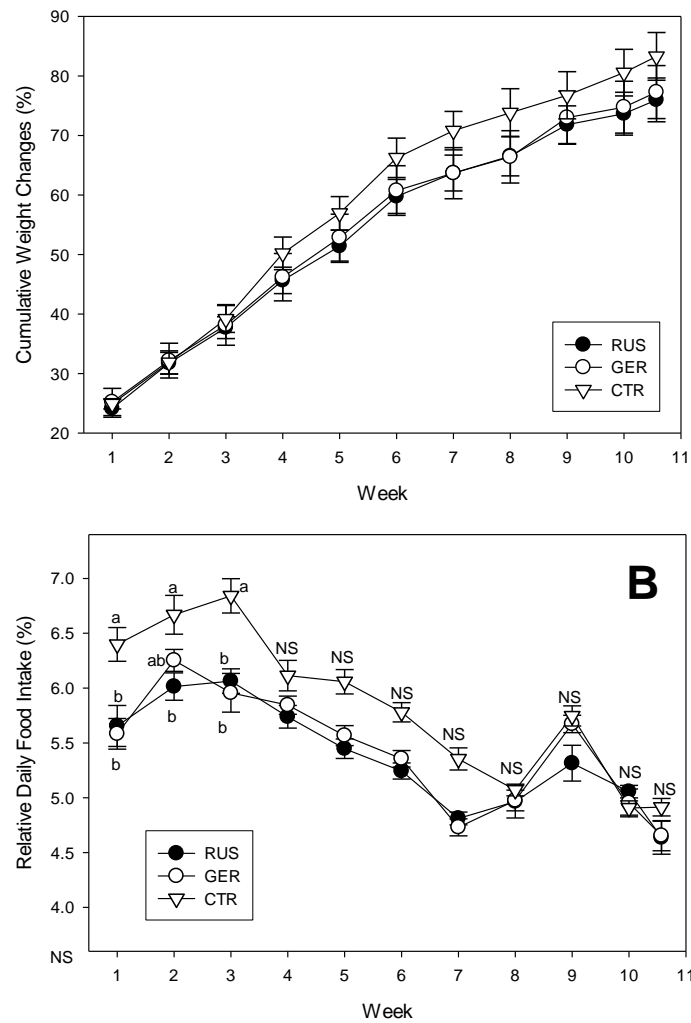


Figure 2. A: Effects of the standardized (RUS) and the purified (GER) Chinese sweet leaf tea (*Rubus suavissimus*) extract on the body weight gain (%) in male SD rats fed with normal diet for 10 weeks. **B:** Effects of RUS and GER on the relative daily food intake (%) in male SD rats fed with normal diet for 10 weeks. Different letters at each week indicate a significant difference at $p \leq 0.05$. NS represents no significant differences. (n=8 for RUS and GER group; n=9 for CTR group). CTR, vehicle control.

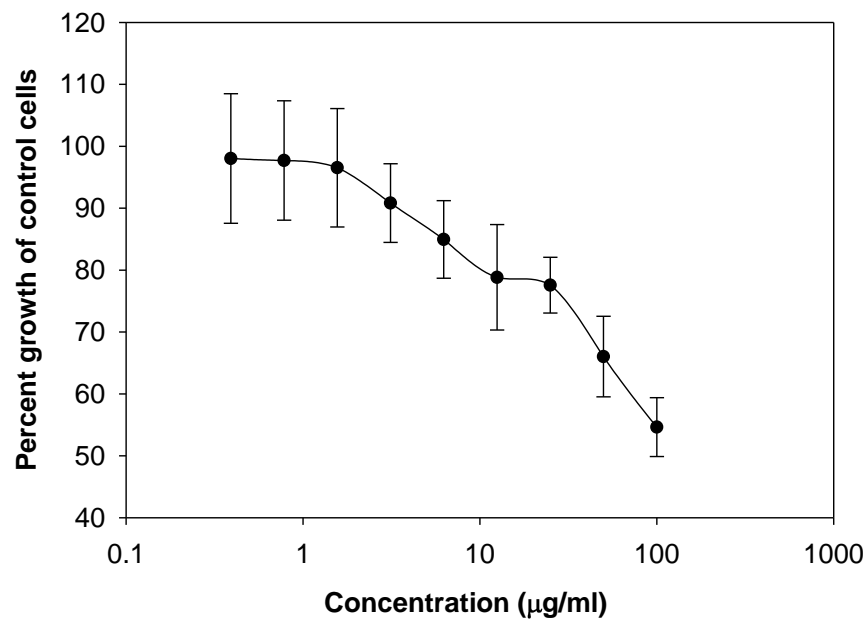


Figure 3. Effect of the purified Chinese sweet leaf tea (GER) on proliferation of 3T3-L1 pre-adipocytes.