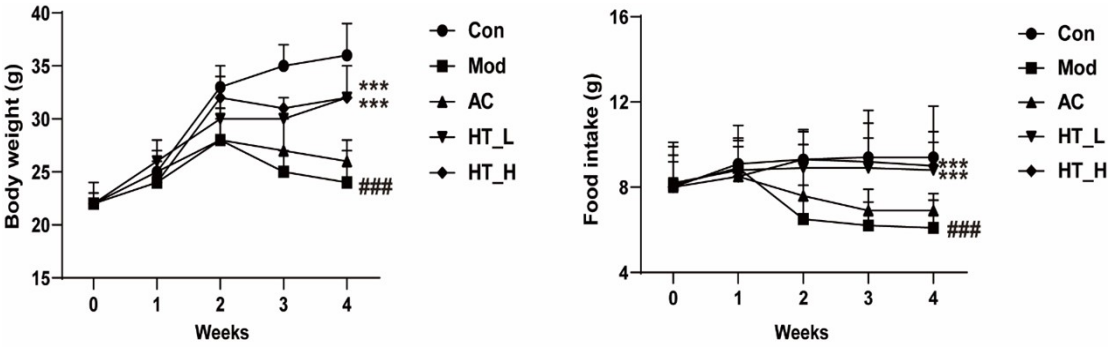

Fig. S1 Body weight and food intake were recorded once a week during the modeling period. Data were expressed as means ± SEM (n =8), $^{###}P < 0.001$ versus control group; $^{***}P < 0.001$ versus model group.

Con, control; Mod, stress–induced liver injury; AC, acetylcysteine; HT_L, low–dose hydroxytyrosol; HT_H, high–dose hydroxytyrosol.

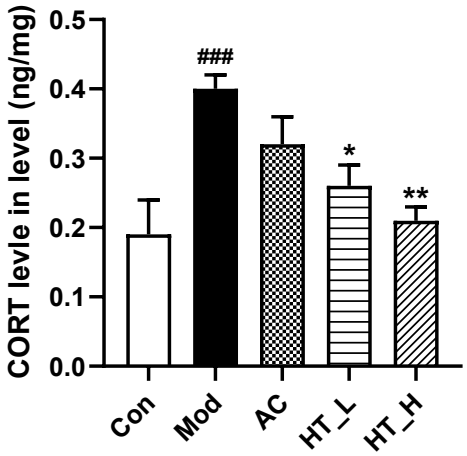

Fig. S2 The effect of HT on liver CORT concentration. Data were expressed as means ± SEM (n =8), $^{###}P < 0.001$ versus control group; $^{**}P < 0.01$, $^{*}P < 0.05$ versus model group.

Con, control; Mod, stress–induced liver injury; AC, acetylcysteine; HT_L, low–dose hydroxytyrosol; HT_H, high–dose hydroxytyrosol.

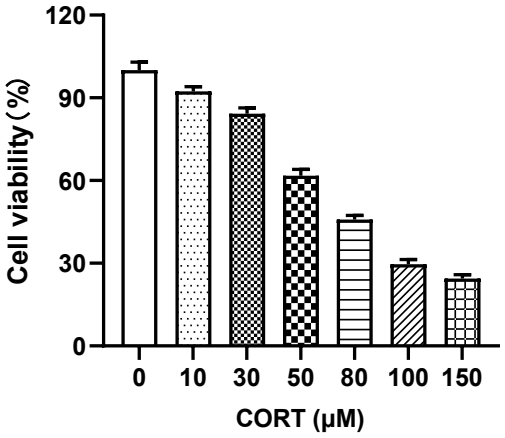

Fig. S3 Cell viability of AML–12 cells with different concentrations of CORT

CORT, corticosterone

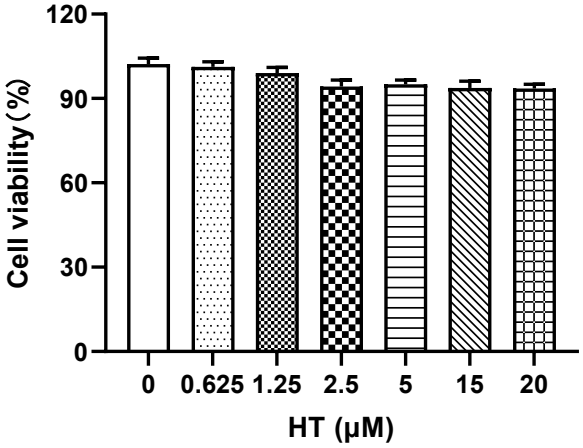

Fig. S4 Cell viability of AML–12 cells with different concentrations of HT

HT, hydroxytyrosol

Table S1. Chronic unpredictable stress regime

Day	Week			
	Week 1	Week 2	Week 3	Week 4
Sunday	White noise: 1 h (100 DB) Overnight stroboscope: 12 h (120 times/min)	Cage tilt: 24 h	Cage tilt: 24 h	Cage tilt: 24 h
Monday	Shock: 30 min (150 times/min)	Shock: 30 min (150 times/min)	Shock: 30 min (150 times/min)	Cold forced swimming: 5 min
Tuesday	Restraint: 1 h Overnight illumination: 12 h	White noise: 2 h (100 DB) Overnight stroboscope: 12 h (120 times/min)	Water depravation: 24 h	Shock: 30 min (150 times/min)
Wednesday	Cold forced swimming: 5 min	Restraint: 2 h Overnight illumination: 12 h	Tail pinch: 2 min	Soiled cage: 24 h
Thursday	Soiled cage: 24 h	Soiled cage: 24 h	Soiled cage: 24 h	Tail pinch: 2 min
Friday	Tail pinch: 2 min	Cold forced swimming: 5 min	Restraint: 2 h Overnight illumination: 12 h	Food depravation: 24 h
Saturday	Water depravation: 24 h	Food depravation: 24 h	Food depravation: 24 h	Soiled cage: 24 h