

Figure S1. Expression profile of the luteolin-responsive miRNAs. Heat map comparing the miRNA expression of PC12 cells treated with luteolin (20 μ M) for 0, 8, 24, 48, or 72 h. The color bar indicates relative miRNA expression in duplicate arrays; red and green indicate up-regulated and down-regulated expression, respectively. A total of 16 and three miRNAs shown in the heat map were robustly and significantly up-regulated (\log_2 ratio ≥ 0.7) and down-regulated (\log_2 ratio ≤ -0.7), respectively.

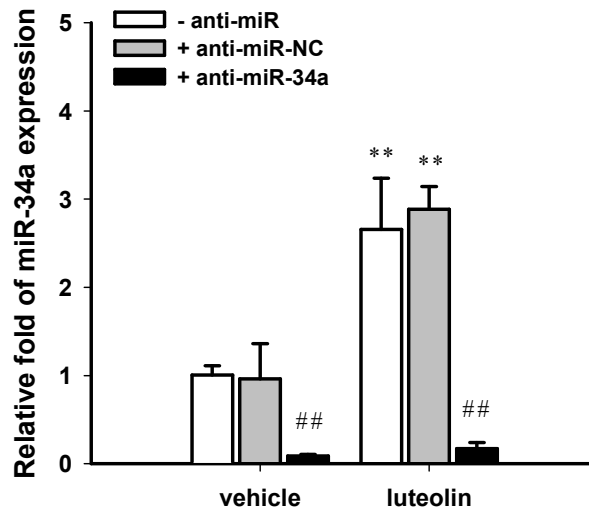


Figure S2. Effects of miR-34a antisense on the mature miR-34a expression in PC12 cells. The cells were transfected with miRNA antisense negative control (anti-miR-NC) or miR-34a antisense oligonucleotides (anti-miR-34a) for 24 h as described in Materials and Methods. After transfection, PC12 cells were treated with vehicle (0.1% DMSO) or luteolin (20 μ M). After 24 h treatment, the levels of mature miR-34a were detected by RT-Q-PCR as described in Materials and Methods. Data represent the mean \pm SD from three independent experiments. ** $p < 0.01$ represents significant differences compared to vehicle-treated cells. ## $p < 0.01$ represents significant differences compared to anti-miR-NC-transfected cells.