SUPPLEMENTARY MATERIALS AND METHODS

Cell culture and Adipogenic induction

3T3-L1 cells were maintained in growth medium consisting of DMEM supplemented with 10% fetal bovine serum (FBS), 100 U/ml penicillin, and 100 mg/ml of streptomycin (Gibco BRL, Grand Island, NY, USA). 3T3-L1 cells were grown to confluence before inducing differentiation. Adipogenic differentiation was induced by culturing the 3T3-L1 for 7 days in adipogenic induction medium (AIM, 10% FBS, 1 µM dexamethasone, 500µM 3-isobutyl-1-methylxanthine, 1 µM insulin, and 100 µM indomethacin in DMEM). After 4 days, cells were cultured in AIM but containing only 10% FBS and 1 µM insulin in α-MEM. AIM was changed every 2 days. Differentiated adipocytes were stained with Oil Red-O as an indicator of intracellular lipid accumulation.
Supplementary Fig. 1. Propyl gallate (PG) inhibits lipid accumulation in 3T3-L1.

(A) Confluent 3T3-L1 cells were cultured in AIM with indicated doses of PG and the media were changed every 2 days. Cells were stained with Oil Red-O on day 7. For quantitative analysis, Oil Red-O staining was quantified by exposing the cells to isopropanol for 30min. The absorbance of the supernatant was measured at 540 nm using a Biotrak II plate reader. Mean values obtained from 7 day AIM-cultured cells were considered as 1.0 and the others were its relative values. Values represent mean ± SD. Error bars indicate the results range for
treatment performed in triplicate. Results are representative of three independent experiments.

*P<0.05; AIM: adipogenic induction medium; SD: standard deviation.