Results

Table S1. Primer sequences

Primer Name	Sequence 5′→3′
SREBP-1C F	CGACACCACCAGCATCAACCACG
SREBP-1C R	GCAGCCCDATTCATCAGCCAGACC
BETAACTIN F	GCTAACAGTCCGCCTAGAAGCA
BETAACTIN R	GTCATCACCATCGGGCAATGAG
PPAR-α F	GATACCACTATGGAGTCCACGCA
PPAR-α R	GCCGAAAGAAGCCCTTG
NF-Kβ F	CGTGAAGTATTCCCAGGTTTG
NF-Kβ R	TGGGGGAAAACTCATCAAAG
TNF-α F	GAAGTTCCCAAATGGCCTCC
TNFα R	GTGAGGGTCTGGGCCATAGA

Table S2. Effect of neonatal zingerone on ethanol consumption in alcohol-exposed rats in adult (A) male and (B) female rats

A. Males				
	Weekly ethanol consumption (g/100g/body mass)			
Week	NM+Eth	NM+Eth+Eth	NM+ZO+Eth	NM+Eth+ZO+Eth
Wk 1	3.46±0.91[a]	2.64±0.53[a]	2.98±0.91[a]	2.77±0.42[a]
Wk 2	5.20±0.68[b]	5.41±1.40[b]	5.50±1.13[b]	5.37±1.46[b]
Wk 3	7.40±1.64[b]	7.16±1.42[b]	7.59±1.89[b]	7.64±1.77[b]
Wk 4	9.81±0.82[b]	8.30±1.40[b]	8.48±1.07[b]	9.35±1.99[b]
Wk 5	9.63±0.81[b]	8.59±2.44[b]	8.94±1.61[b]	8.95±1.48[b]
Wk 6	9.79±0.9[b]	7.86±1.68[b]	8.99±1.54[b]	8.85±1.55[b]
Wk 7	9.39±3.47[b]	8.09±2.37[b]	8.86±3.30[b]	8.55±1.85[b]
Wk 8	10.16±1.18[b]	8.68±1.38[b]	9.26±1.49[b]	9.25±1.32[b]
Mean	8.10±2.52	7.02±2.09	7.57±2.22	7.59±2.34[b]
A. ***Females***				
	Weekly ethanol consumption (g/100g/body mass)			
Week	NM+Eth	NM+Eth+Eth	NM+ZO+Eth	NM+Eth+ZO+Eth
Wk 1	3.79±0.94[a]	4.15±1.01[a]	4.61±0.57[a]	4.50±1.26[a]
Wk 2	6.68±1.32[b]	8.06±2.47[b]	7.52±2.78[b]	7.64±1.82[b]
Wk 3	9.89±1.49[b]	12.53±8.81[b]	10.62±3.24[b]	9.76±1.60[b]
Wk 4	11.16±2.82[b]	13.43±5.53[b]	10.05±1.60[b]	10.90±1.96[b]
Wk 5	11.99±6.65[b]	10.72±1.51[b]	12.11±2.7[b]	11.42±3.88[b]
Wk 6	10.81±2.70[b]	10.37±0.90[b]	10.23±2.54[b]	10.51±1.14[b]
Wk 7	10.58±2.77[b]	9.21±1.95[b]	11.46±4.18[b]	10.04±2.07[b]
Wk 8	11.72±1.74[b]	12.49±1.81[b]	12.31±1.55[b]	11.97±1.93[b]
Mean	9.58±2.87	10.12±3.01	9.86±2.61	9.59±2.44

Data is presented as mean ± standard deviation. [ab] = preceding week's ethanol intake was significantly lower at $p < 0.05$. **NM + W** = gavaged with 10 ml/kg body mass per day nutritive milk during suckling + plain drinking water in adulthood; **NM+Eth+ W** = gavaged with 10 ml/kg body mass per day nutritive milk and Eth during suckling + plain drinking water in adulthood; **NM+Eth** = gavaged with 10 ml/kg body mass per day nutritive milk during suckling + Eth solution in adulthood; **NM + Eth+ Eth** = gavaged with 10 ml/kg body mass per day nutritive milk and Eth during suckling + Eth solution in adulthood; **NM+ ZO + W** = gavaged with 10 ml/kg body mass per day nutritive milk and ZO during suckling + plain drinking water in adulthood; **NM+Eth+ZO+W** = gavaged with 10 ml/kg body mass per day nutritive milk, Eth and ZO during suckling + plain drinking water in adulthood; **NM+ZO+Eth** = gavage with 10 ml/kg body mass per day nutritive milk and ZO during suckling + Eth solution in adulthood; **NM+Eth+ZO+ Eth** = gavage with 10 ml/kg body mass per day nutritive milk, Eth and ZO during suckling + Eth solution in adulthood n = 6-8 per treatment group