

Saturated fatty acid attenuates anti-obesity effect of green tea

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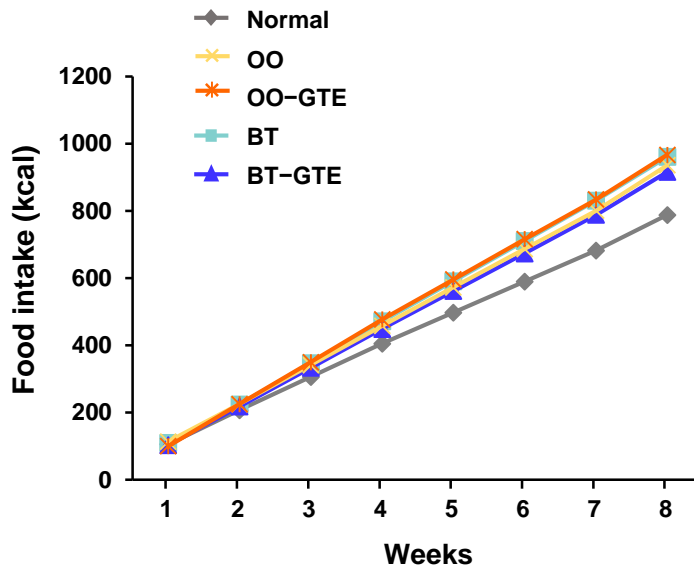
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Supplementary Table S1. Composition of GTE powder used in Experiment 2

GTE powder (mg/g)	
(-)-Epicatechin (EC)	23.3
(-)-Epicatechin-3-O-gallate (ECG)	32.4
(-)-Epigallocatechin (EGC)	69.9
(-)-Epigallocatechin-3-O-gallate (EGCG)	129.6
(-)-Epigallocatechin-3-O-(3-O-methyl) gallate (EGCG3''Me)	17.5
(-)-Catechin (C)	8.2
(-)-Catechin gallate (CG)	2.6
(-)-Gallocatechin (GC)	22.0
(-)-Gallocatechin-3-O-gallate (GCG)	19.8
(-)-Gallocatechin-3-O-(3-O-methyl) gallate (GCG3''Me)	3.2
Total catechins	328.5
Caffeine	78.4

Supplementary Table S2. Quantitative realtime PCR primers

Gene	Accession No.	Forward Primer	Reverse Primer
<i>Ppard</i>	NM_011145.3	5'-CAGCAGACAGCCCGTTGGT-3'	5'-CTTTGGATGGCTCATGTCTTTGAA-3'
<i>Ppara</i>	NM_001113418.1	5'-CCAATGTCCTGGCCACATTTTC-3'	5'-GCCTGTCCTCAGGTGTGTCTGTA-3'
<i>Rxra</i>	NM_001290481.1	5'-ACCAATGGCTAGTCATCTGCTGTC-3'	5'-GTCGTCAGTGGGCAGTCTCTGTA-3'
<i>Rxrb</i>	NM_001205214.1	5'-ATGCGTGACATGAGGATGGA-3'	5'-GAAGACGTAACAGCAGCTTGG-3'
<i>Ucp2</i>	NM_011671.4	5'-GCAAGCATGTGTATGGCACAGTAA-3'	5'-AAATGTGGGCCTTCGGTCAG-3'
<i>Ucp3</i>	NM_204107.1	5'-CTGCACCGCCAGATGAGTTT-3'	5'-ATCATGGCTTGAAATCGGACC-3'
<i>Sirt1</i>	NM_019812.2	5'-GCAGACGTGGTAATGTCCAAACAG-3'	5'-ACATCTTGGCAGTATTTGTGGTGAA-3'
<i>Acox1</i>	NM_015729.3	5'-GCTTGAAAACCACTGCCACA-3'	5'-CTGAGCCAGGACTATCGCATGA-3'
<i>Mcad</i>	NM_007382.4	5'-TGATGTGGCGGCCATTAAGA-3'	5'-CGGCTTCCACAATGAATCCAG-3'
<i>Pgc1a</i>	NM_008904.1	5'-GCGCCGTGTGATTTACGTT-3'	5'-CGGTAGGTGATGAAACCATAGCTG-3'
<i>Rpsa</i>	NM_011029.3	5'-CTGTGCCCATCCAGCAGTTC-3'	5'-AGCTGCTGACCAATCCTCAGTG-3'
<i>Akt1</i>	NM_001165894.1	5'-CATCGTGTGGCAGGATGTGTA-3'	5'-ACCTGGTGTGAGTCTCAGAGGTG-3'
<i>Nos3</i>	NM_008713.	5'-ATTCTGGCAAGACAGACTACACGA-3'	5'-TCCCAGTAGAGATGGTCCAG-3'
<i>Gucy1a3</i>	NM_001356987.1	5'-AGTTCTAACCCAAGCGGTGTGAAG-3'	5'-GTGTACACAGGCGACACAAGTGAG-3'
<i>Smpd1</i>	NM_011421.2	5'-CCAGGACATTGTCTTAAGAGCTGGA-3'	5'-AGCTAGTGGTCGGCTCAGAGTTTC-3'
<i>Actb</i>	NM_001124235.1	5'-CATCCGTAAAGACCTCTATGCCAA-3'	5'-ATGGAGCCACCGATCCACA-3'



Supplementary Figure 1. Food intake of the tested groups Experiment 1. Food intake in mice that were fed a OO-based or BT-based HF diet (55% kcal as fat) supplemented with or without 1.0% GTE was measured on a per-cage basis throughout the study and represents cumulative energy intake.