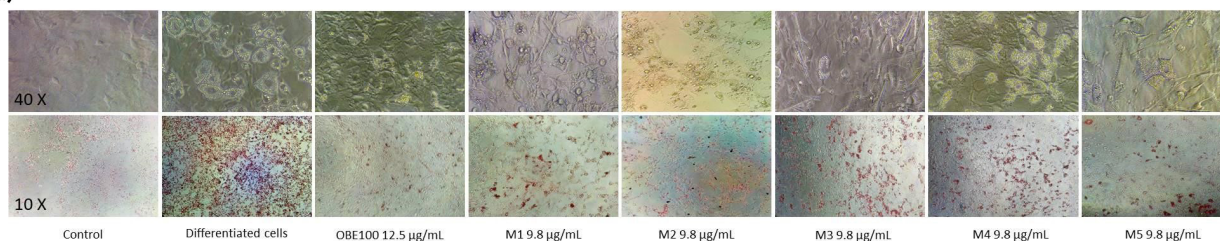


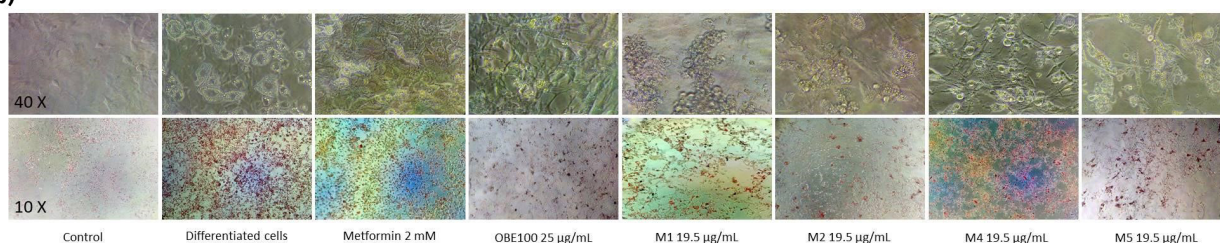
## SUPPLEMENTARY MATERIAL

**Figure S1. Effect of triterpenoid mixtures on lipid accumulation.** 3T3-L1 cells were differentiated and treated with OBE100, M1, M2, M3, M4 and M5 for 7 days. Metformin was used as positive control. (a) and (b) Photographs of 3T3-L1 adipocytes before and after Oil Red O staining.

a)



b)



**Table SI. Combination of triterpenoids to evaluate (OBE100 12,5 µg/mL).**

Concentration of triterpenoid mixtures	Triterpenoid concentration		
	UA (µg/mL)	OA (µg/mL)	UAL (µg/mL)
OBE100 (12,5 µg/mL)	5,95	1,8	2
M1 (9,75 µg/mL)	5,95	1,8	2
M2 (9,75 µg/mL)	2	1,8	5,95
M3 (9,75 µg/mL)	1,8	5,95	2
M4 (9,75 µg/mL)	2,98	0,9	5,87
M5 (9,75 µg/mL)	3,25	3,25	3,25
OBE100 contains 2,75 µg/mL minority compounds			

UA: Ursolic acid; OA: Oleanolic acid; UAL: Ursolic acid lactone.

**Table SII. Combination of triterpenoids to evaluate (OBE100 25 µg/mL).**

Concentration of triterpenoid mixtures	Triterpenoid concentration		
	UA (µg/mL)	OA (µg/mL)	UAL (µg/mL)
OBE100 (25 µg/mL)	11,9	3,6	4
M1 (19,5 µg/mL)	11,9	3,6	4
M2 (19,5 µg/mL)	4	3,6	11,9
M3 (19,5 µg/mL)	3,6	11,9	4
M4 (19,5 µg/mL)	5,95	1,8	11,75
M5 (19,5 µg/mL)	6,5	6,5	6,5
OBE100 contains 5,5 µg/mL minority compounds			

UA: Ursolic acid; OA: Oleanolic acid; UAL: Ursolic acid lactone.

**Table III.** Combination of triterpenoids to evaluate (OBE100 50 µg/mL).

Concentration of triterpenoid mixtures	Triterpenoid concentration		
	UA (µg/mL)	OA (µg/mL)	UAL (µg/mL)
OBE100 (50 µg/mL)	23,8	7,2	8
M1 (39 µg/mL)	23,8	7,2	8
M2 (39 µg/mL)	8	7,2	23,8
M3 (39 µg/mL)	7,2	23,8	8
M4 (39 µg/mL)	11,9	3,6	23,5
M5 (39 µg/mL)	13	13	13
OBE100 contains 11 µg/mL minority compounds			

UA: Ursolic acid; OA: Oleanolic acid; UAL: Ursolic acid lactone.

**Table IV.** Primer sequences for the targeted mouse genes and reaction efficiency.

Symbol	Gene Name	Accession Number	Primer Sequences (5'-3')	Position in cDNA	Product Size	Reaction Efficiency (%)	R <sup>2</sup>
Tnfa	Tumor necrosis factor	NM_001278601.1	CCCACACCGTCAGCCGATTT (F)	4th exon	200bp	99.66	0.99
			GTCTAAGTACTTGGGCAGATTGACC (R)	4th exon			
Il1b	Interleukin 1 beta	NM_008361.4	AGAGCTTCAGGCAGGCAGTAT (F)	4th exon	104 bp	98.48	0.99
			GAAGGTGCTCATGTCCTCATC (R)	4th exon			
Il6	Interleukin 6	NM_031168.2	CCGGAGAGGAGACTTCACAG (F)	2th exon	421 bp	96.84	0.99
			GGAAATTGGGGTAGGAAGGA (R)	3th exon			
Ppib	peptidylprolyl isomerase B (Cyclophilin B)	NM_011149.2	GGAGATGGCACAGGAGGAA (F)	3th exon	72 bp	94.92	0.98
			GTAGTGCTTCAGCTTGAAGTTCTCAT (R)	3th exon			

Forward (F); Reverse (R); PCR primer annealing temperature was 60°C and the final primer concentration was 0.6 µM. R<sup>2</sup>, correlation coefficient calculated from slope of the standard curve.