Supplementary data Table 1. Primer sequences of target genes for qRT-PCR.

Target gene	Forward primer	Reverse primer
AFP	5'-GCCCAGCATACGAAGAAAACA-3'	5'- TCTCTTTGTCTGGAAGCATTCCT-3'
Albumin	5'- TCTGCACACTCCCAGACAAG-3'	5'- AGTCACCCATCACCGTCTTC-3'
HNF-1α	5'- AGATGACACGGATGACGATGG-3'	5'- GACAGGTGGGACTGGTTGAG-3'
Cyt P450	5'- TCAGCACATCTGTCACCTTCC-3'	5'- GCCACAATCACCTTCATCTCAC-3'
GAPDH	5'- CAAGTTCAACGGCACAGTCAAG-3'	5'- ATACTCAGCACCAGCATCACC-3'

Supplementary data Table 2. Comparison of changes in hair follicle fatty acids and stearoyl-CoA desaturase (SCD1) index of the studied pregnant rats on day 12 of pregnancy.

	Control	MF-438	MF-438+Oleate	P-value
Palmitate	35.6±0.2	28.25±0.61[*]	34.86±1.23[$]	<0.001
Palmitoleate	1.69±0.59	0.78±0.67	3.39±0.78[$]	<0.001
Stearate	23.3±0.1	23.03±0.41	26.16±0.76[*$]	<0.001
Oleate	22.1±0.2	11.53±0.24[*]	20.15±0.63[*$]	<0.001
Linoleate	9.26±0.58	3.57±0.19[*]	7.89±0.42[*$]	<0.001
SCD1 index (MUFA/SFA)	0.4	0.23	0.38	-

The analyzed data are normalized to the amount of internal standard tridecanoate. Data are presented as mean±SD ([*]P-value<0.001 vs control, [$]$P$-value<0.001 vs MF-438, n=6 for each group).

Supplementary data Table 3. Fetus liver weights in experimental groups.

	Control	MF-438	MF-438+Oleate	P-value
Fetal liver weight (g)	0.18±0.01	0.17±0.008	0.25±0.05[*$]	<0.001

Data are presented as mean±SD ([*]P-value<0.001 vs control, [$]$P$-value<0.001 vs MF-438, n=6 for each group).

Supplementary data Table 4. Hepatic fetus morphological changes in the studied groups.

	Control	MF-438	MF-438+Oleate	P-value
Proliferation	0.8±0.44	0.8±0.44	2.8±0.44[*$]	<0.001
Hypertrophy	1.8±0.44	0.2±0.44[*]	2.8±0.44[*$]	<0.001
Accumulation of lipid droplets	1.8±0.44	0.8±0.44[*]	2.8±0.44[*$]	<0.001
Euchromatinization	1.8±0.44	0.8±0.44[*]	2.8±0.44[*$]	<0.001
Heterochromatinization	1±0.0	2.8±0.44[*]	0.2±0.44[*$]	<0.001
Sinusoidal dilatation	1±0.0	2.8±0.44[*]	0.2±0.44[*$]	<0.001

Intensity of changes is reported following examination of 5 microscopic fields for each index. Data are presented as mean±SD ([*]P-value<0.001 vs control, [$]$P$-value<0.001 vs MF-438, n=6 for each group).

Supplementary data Table 5. Total protein and glycogen content of fetus liver in the experimental groups.

	Control	MF-438	MF-438+Oleate	*P*-value
Total Protein (µg/ml)	45.47±1.11	42.74±1.72	51.75±1.86	<0.001
Glycogen (µmols glucosyl units/g wet liver weight)	2.27±0.27	1.9±0.27	4.38±0.46	<0.001

Data are presented as mean±SD (*P*-value<0.001 vs control, $^\$$*P*-value<0.001 vs MF-438, n=6 for each group).

Supplementary data Table 6. The effects of SCD1 inhibition and oleate supplementation on gene expression of hepatic development markers.

	MF-438	MF-438+Oleate	*P*-value
Hnf1α	0.55±0.03*	1.01±0.12$^\$$	<0.001
AFP	0.56±0.11*	0.89±0.36*	<0.001
Alb	0.56±0.02	1.37±0.47$^\$$	<0.001
Cyt P450	0.48±0.17	2.58±1.87$^\$$	<0.001

Relative gene expression analysis was performed according to raffle equation, and data were normalized using GAPDH as an internal standard. The results are expressed as mean ± SD (*P*-value<0.001 vs control, $^\$$*P*-value<0.001 vs MF438, n=6 for each group). Hnf1α; hepatocyte nuclear factor-1α, AFP; alpha-fetoprotein, Alb; albumin, Cyt P450; cytochrome P450, GAPDH; Glyceraldehyde-3-phosphate dehydrogenase.