

Table 1. Lipid profiles of WT and PPAR δ KI mice on chow diet.

Genotype		Male		Female	
		WT	PPAR δ KI	WT	PPAR δ KI
		(n=22)	(n=28)	(n=10)	(n=16)
Cholesterol (g/L)	Total	1.09 \pm 0.25	0.94 \pm 0.20**	0.91 \pm 0.15	0.75 \pm 0.29
	VLDL	0.04 \pm 0.02	0.04 \pm 0.02	0.02 \pm 0.02	0.01 \pm 0.02
	LDL	0.15 \pm 0.05	0.14 \pm 0.04	0.10 \pm 0.05	0.09 \pm 0.05
	HDL	0.90 \pm 0.20	0.76 \pm 0.18**	0.80 \pm 0.12	0.65 \pm 0.25
Triglycerides (g/L)	Total	1.20 \pm 0.38	1.29 \pm 0.33	1.04 \pm 0.49	0.95 \pm 0.37
	VLDL	0.47 \pm 0.20	0.44 \pm 0.22	0.35 \pm 0.14	0.28 \pm 0.18
	LDL	0.21 \pm 0.07	0.18 \pm 0.07	0.11 \pm 0.03	0.10 \pm 0.04
	HDL	0.09 \pm 0.04	0.07 \pm 0.08	0.14 \pm 0.11	0.12 \pm 0.06

Plasma lipoproteins of 10 weeks old male and female WT and hPPAR δ KI mice fed a chow diet were individually separated according to their size by FPLC. Values represent means \pm SD. Significant differences by Student's *t*-test *, P<0.05; **, P<0.005***, P<0.001 WT vs PPAR δ KI

Table 2. Effect of GW0742 treatment on liver weight and blood glucose of WT and PPAR δ KI mice

Genotype	WT		PPAR δ KI	
	Vehicle	GW0742	Vehicle	GW0742
Liver weight (% of body weight)	4.62 \pm 0.30	5.85 \pm 0.34 ^{***}	4.13 \pm 0.28	5.76 \pm 0.61 ^{***}
Blood glucose (g/L)	2.01 \pm 0.22	1.97 \pm 0.20	2.04 \pm 0.42	2.04 \pm 0.25

Mice were treated by oral gavage with GW0742 (20mg/kg/day) or vehicle alone for 14 days (n=8/group). Values represent means \pm SD. Significant differences by 1-way ANOVA analysis *, P<0.05; **, P<0.005^{***}, P<0.001 vehicle vs GW0742

Table 3. Influence of GW0742 treatment on lipid profiles of WT and PPAR δ KI male mice.

Genotype		WT		PPAR δ KI	
		Vehicle	GW0742	Vehicle	GW0742
Cholesterol (g/L)	Total	1.10 \pm 0.11	1.37 \pm 0.08 ^{***}	1.03 \pm 0.07	1.37 \pm 0.10 ^{***}
	VLDL	0.05 \pm 0.03	0.05 \pm 0.02	0.04 \pm 0.02	0.05 \pm 0.01
	LDL	0.14 \pm 0.03	0.23 \pm 0.06 ^{***}	0.15 \pm 0.02	0.21 \pm 0.04 [*]
	HDL	0.89 \pm 0.09	1.06 \pm 0.04 ^{***}	0.82 \pm 0.05	1.08 \pm 0.10 ^{***}
Triglycerides (g/L)	Total	1.00 \pm 0.39	0.94 \pm 0.23	0.94 \pm 0.20	0.89 \pm 0.17
	VLDL	0.39 \pm 0.25	0.41 \pm 0.16	0.38 \pm 0.18	0.34 \pm 0.15
	LDL	0.14 \pm 0.04	0.07 \pm 0.01 ^{**}	0.11 \pm 0.05	0.07 \pm 0.02 [*]
	HDL	0.08 \pm 0.05	0.08 \pm 0.04	0.07 \pm 0.03	0.09 \pm 0.06

Mice were treated by oral gavage with GW0742 (20mg/kg/day) or vehicle alone for 14 days (n=8/group). Plasma lipoproteins were individually separated according to their size by FPLC. Values represent means \pm SD. Significant differences by 1-way ANOVA analysis *, P<0.05; **, P<0.005^{***}, P<0.001 vehicle vs GW0742