

**Supplementary Table 1. The sequence of gene qPCR primers.**

GENE	FORWARD PRIMER	REVERSE PRIMER
B-ACTIN	GCAGACCGACCTGAGCGA	CATCTGGCGAAAGGTGGG
STAR	GGGCATCCTTAGCAACC	CTGGGACCACTTACTCATC
3B-HSD	TGCCAGTCTTCATCTACACC	ATTAGCCGCCAGCACAGC
17B-HSD	TGAGCCTGATCGAGTGCG	GGCGAGGTATTGGTAGAAC
CYP17A1	ATTCCTCCCCAGACACGG	GAGTCAGCGAAGGCGATA
CYP19A1	GGACCCCTCATCTCCCACG	CCCAAGTTGCTGCCGAAT

**Supplementary Table 2 The organ weight and coefficient results during a 180-day repeated toxicity study of FCF in SD rats (n=12/sex/group).**

		<b>CONTROL- MALE</b>	<b>0.6 MG/KG- MALE</b>	<b>60 MG/KG- MALE</b>
<b>FASTING WEIGHT (G)</b>		599.65 ± 59.51	655.32 ± 72.93	636.72 ± 76.74
<b>LIVER</b>	Weight (g)	17.45 ± 2.33	19.70 ± 2.48	18.76 ± 2.14
	Coefficient (%)	2.91 ± 0.25	3.00 ± 0.11	2.96 ± 0.22
<b>KIDNEY</b>	Weight (g)	1.09 ± 0.24	1.14 ± 0.20	1.24 ± 0.35
	Coefficient (%)	0.18 ± 0.03	0.17 ± 0.03	0.19 ± 0.04
<b>SPLEEN</b>	Weight (g)	3.85 ± 0.95	3.73 ± 0.41	3.74 ± 0.44
	Coefficient (%)	0.65 ± 0.17	0.57 ± 0.03	0.59 ± 0.03
<b>HEART</b>	Weight (g)	1.69 ± 0.33	1.67 ± 0.16	1.75 ± 0.31
	Coefficient (%)	0.28 ± 0.06	0.26 ± 0.02	0.27 ± 0.03
<b>TESTIS</b>	Weight (g)	3.93 ± 0.52	3.85 ± 0.18	3.83 ± 0.20
	Coefficient (%)	0.66 ± 0.07	0.59 ± 0.07	0.61 ± 0.06
		<b>CONTROL- FEMALE</b>	<b>0.6 MG/KG- FEMALE</b>	<b>60 MG/KG- FEMALE</b>
<b>FASTING WEIGHT (G)</b>		332.92 ± 27.83	336.61 ± 35.02	315.63 ± 30.74
<b>LIVER</b>	Weight (g)	10.25 ± 1.03	10.62 ± 1.32	10.32 ± 1.47
	Coefficient (%)	3.09 ± 0.26	3.16 ± 0.24	3.27 ± 0.30
<b>KIDNEY</b>	Weight (g)	0.71 ± 0.13	0.74 ± 0.09	0.76 ± 0.19
	Coefficient (%)	0.21 ± 0.04	0.22 ± 0.03	0.24 ± 0.06
<b>SPLEEN</b>	Weight (g)	2.07 ± 0.19	2.08 ± 0.18	1.95 ± 0.17
	Coefficient (%)	0.62 ± 0.05	0.62 ± 0.06	0.62 ± 0.03
<b>HEART</b>	Weight (g)	1.07 ± 0.09	1.06 ± 0.10	0.99 ± 0.11
	Coefficient (%)	0.32 ± 0.02	0.32 ± 0.03	0.31 ± 0.03
<b>OVARY</b>	Weight (g)	0.15 ± 0.03	0.15 ± 0.04	0.16 ± 0.09
	Coefficient (%)	0.05 ± 0.01	0.04 ± 0.01	0.05 ± 0.03