

表1 マウスおよびハムスターの生存率、最終体重および肝臓重量

Treatment	Dose of DCP (mg/kg BW)	Experimental duration	Initial number of animals	Number of surviving animals (%)	Initial body weight (g)	Final body weight (g)	Absolute liver weight (g)	Relative liver weight (%)
Mouse								
Control	0	3 days	5	5 (100)	28 ± 1	28 ± 1.5	1.20 ± 0.12	4.25 ± 0.25
DCP	500	3 days	5	4 (80)	28 ± 1	27 ± 1.9	1.23 ± 0.05	4.53 ± 0.51
Control	0	4 weeks	5	5 (100)	26 ± 1	25.2 ± 1.6	0.93 ± 0.05	3.69 ± 0.16
DCP	125	4 weeks	5	5 (100)	27 ± 1	25.9 ± 1.1	1.04 ± 0.03 **	4.03 ± 0.20 *
DCP	250	4 weeks	5	5 (100)	27 ± 1	26.1 ± 0.8	1.10 ± 0.06 ***	4.20 ± 0.14 ***
Hamster								
Control	0	3 days	5	5 (100)	118.8 ± 7	119.9 ± 7.2	5.24 ± 0.19	4.37 ± 0.14
DCP	500-250	3 days	5	4 (80)	118.4 ± 6	106.6 ± 5.5*	5.19 ± 0.10	4.91 ± 1.17
Control	0	4 weeks	5	5 (100)	124 ± 2	146.8 ± 7.1	5.46 ± 0.48	3.72 ± 0.22
DCP	125	4 weeks	5	4 (80)	122 ± 10	140.3 ± 16.9	5.45 ± 0.74	3.88 ± 0.07
DCP	250	4 weeks	5	2 (40)	120 ± 8	123.5 ± 1.7	5.27 ± 0.21	4.27 ± 0.11 *

Significantly different from respective control at *p<0.05, **p<0.01, ***p<0.001

表2 マウスおよびハムスターの肝臓における病理学的所見、CYP2E1 および GSTT1 の発現

	Experiment duration	Histopathological findings		CYP2E1			GSTT1		
		Fatty change	Centrilobular necrosis	Hepatocyte		Bile duct epithelial cells	Hepatocyte		Bile duct epithelial cells
				Centrilobular area	Periportal area		Centrilobular area	Periportal area	
Mouse									
Control	3 days	0/5 (0)	0/5 (0)	++	-	-	+	++	++
500 mg/kg DCP	3 days	5/5 (100%)	5/5 (100%)	++	-	-	-	+	++
Control	4 weeks	0/5 (0)	0/5 (0)	++	-	-	++	-	++
125 mg/kg DCP	4 weeks	5/5 (100%)	0/5 (0)	++	-	-	+	-	++
250 mg/kg DCP	4 weeks	5/5 (100%)	0/5 (0)	++	-	-	+	-	++
Hamster									
Control	3 days	0/5 (0)	0/5 (0)	+	-	-	+	-	-
500→250 mg/kg DCP	3 days	5/5 (100%)	5/5 (100%)	++	+++	-	-	+++	-
Control	4 weeks	0/5 (0)	0/5 (0)	+	-	-	+++	+	-
125 mg/kg DCP	4 weeks	5/5 (100%)	0/5 (0)	+	-	-	+	++	-
250 mg/kg DCP	4 weeks	5/5 (100%)	0/5 (0)	++	-	-	-	+++	-

(-: negative; +: weak; ++: moderate; +++: strong)