

2-メチル-1-プロパノールのマウスを用いた  
経口投与による2週間毒性試験（混水試験）報告書

試験番号：0556

# TABLES

## TABLES

- TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL
- TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL
- TABLE 3 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL
- TABLE 4 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL
- TABLE 5 WATER CONSUMPTION CHANGES OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL
- TABLE 6 WATER CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL
- TABLE 7 ORGAN WEIGHTS OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Week-Day on Study	Control		2500 ppm			5000 ppm			10000 ppm			20000 ppm			40000 ppm		
	Av.Wt.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.
	< 5>		< 5>			< 5>			< 5>			< 5>			< 5>		
0-0	24.3 (5)	5/5	24.4 (5)	100	5/5	24.4 (5)	100	5/5	24.3 (5)	100	5/5	24.3 (5)	100	5/5	24.4 (5)	100	5/5
1-4	24.7 (5)	5/5	24.5 (5)	99	5/5	24.3 (5)	98	5/5	24.6 (5)	100	5/5	24.9 (5)	101	5/5	24.4 (5)	99	5/5
1-7	24.5 (5)	5/5	24.7 (5)	101	5/5	24.3 (5)	99	5/5	24.5 (5)	100	5/5	24.5 (5)	100	5/5	24.0 (5)	98	5/5
2-4	25.2 (5)	5/5	25.5 (5)	101	5/5	25.1 (5)	100	5/5	26.0 (5)	103	5/5	25.6 (5)	102	5/5	25.3 (5)	100	5/5
2-7	25.9 (5)	5/5	26.4 (5)	102	5/5	26.3 (5)	102	5/5	27.2 (5)	105	5/5	26.9 (5)	104	5/5	26.6 (5)	103	5/5

< > : No. of effective animals, ( ) : No. of measured animals      Av.Wt. : Averaged body weight (Unit : g).

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Week-Day on Study	Control		2500 ppm			5000 ppm			10000 ppm			20000 ppm			40000 ppm		
	Av.Wt.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.	Av.Wt.	% of cont.	No.of Surviv.
	< 5>		< 5>			< 5>			< 5>			< 5>			< 5>		
0-0	19.4 (5)	5/5	19.3 (5)	99	5/5	19.4 (5)	100	5/5	19.4 (5)	100	5/5	19.4 (5)	100	5/5	19.4 (5)	100	5/5
1-4	19.6 (5)	5/5	20.0 (5)	102	5/5	19.4 (5)	99	5/5	18.0 (5)	92	5/5	19.7 (5)	101	5/5	19.3 (5)	98	5/5
1-7	19.7 (5)	5/5	20.0 (5)	102	5/5	18.9 (5)	96	5/5	18.0 (5)	91	5/5	19.8 (5)	101	5/5	19.0 (5)	96	5/5
2-4	20.2 (5)	5/5	20.6 (5)	102	5/5	20.6 (5)	102	5/5	19.7 (5)	98	5/5	20.4 (5)	101	5/5	19.8 (5)	98	5/5
2-7	21.4 (5)	5/5	21.9 (5)	102	5/5	21.7 (5)	101	5/5	19.3 (5)	90	5/5	20.9 (5)	98	5/5	21.0 (5)	98	5/5

< > : No. of effective animals, ( ) : No. of measured animals      Av.Wt. : Averaged body weight (Unit : g).

TABLE 3 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Week-Day on Study	Control		2500 ppm			5000 ppm			10000 ppm			20000 ppm			40000 ppm		
	Av.Fc.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.
	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>
1-4	3.9 (5)	5/5	3.7 (5)	95	5/5	3.6 (5)	92	5/5	3.6 (5)	92	5/5	3.6 (5)	92	5/5	3.3 (5)	85	5/5
1-7	4.3 (5)	5/5	4.3 (5)	100	5/5	4.1 (5)	95	5/5	4.1 (5)	95	5/5	4.0 (5)	93	5/5	3.8 (5)	88	5/5
2-4	4.0 (5)	5/5	3.9 (5)	98	5/5	3.8 (5)	95	5/5	4.1 (5)	103	5/5	3.9 (5)	98	5/5	3.7 (5)	93	5/5
2-7	4.1 (5)	5/5	3.8 (5)	93	5/5	4.0 (5)	98	5/5	4.1 (5)	100	5/5	4.2 (5)	102	5/5	3.9 (5)	95	5/5

< > : No. of effective animals, ( ) : No. of measured animals      Av.Fc. : Averaged food consumption (Unit : g).

TABLE 4 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Week-Day on Study	Control		2500 ppm			5000 ppm			10000 ppm			20000 ppm			40000 ppm		
	Av.Fc.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.	Av.Fc.	% of cont.	No.of Surviv.
	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>
1-4	3.3 (5)	5/5	3.5 (5)	106	5/5	3.1 (5)	94	5/5	2.7 (5)	82	5/5	3.2 (5)	97	5/5	2.6 (5)	79	5/5
1-7	3.7 (5)	5/5	3.7 (5)	100	5/5	3.4 (5)	92	5/5	3.2 (5)	86	5/5	3.4 (5)	92	5/5	3.2 (5)	86	5/5
2-4	3.4 (5)	5/5	3.4 (5)	100	5/5	3.5 (5)	103	5/5	3.3 (5)	97	5/5	3.3 (5)	97	5/5	3.2 (5)	94	5/5
2-7	3.7 (5)	5/5	3.6 (5)	97	5/5	3.4 (5)	92	5/5	2.9 (5)	78	5/5	3.3 (5)	89	5/5	3.3 (5)	89	5/5

< > : No. of effective animals, ( ) : No. of measured animals      Av.Fc. : Averaged food consumption (Unit : g).

TABLE 5 WATER CONSUMPTION CHANGES OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Week-Day on Study	Control		2500 ppm			5000 ppm			10000 ppm			20000 ppm			40000 ppm		
	Av.Wc.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.
	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>
1-4	5.5 (5)	5/5	4.2 (5)	76	5/5	4.5 (5)	82	5/5	4.0 (5)	73	5/5	3.7 (5)	67	5/5	3.1 (5)	56	5/5
1-7	5.9 (5)	5/5	4.7 (5)	80	5/5	4.8 (5)	81	5/5	4.7 (5)	80	5/5	4.0 (5)	68	5/5	3.6 (5)	61	5/5
2-4	4.7 (4)	5/5	4.1 (5)	87	5/5	4.5 (5)	96	5/5	4.2 (5)	89	5/5	3.8 (5)	81	5/5	3.4 (5)	72	5/5
2-7	5.0 (5)	5/5	3.7 (5)	74	5/5	4.2 (5)	84	5/5	3.7 (5)	74	5/5	3.6 (5)	72	5/5	3.3 (5)	66	5/5

< > : No. of effective animals, ( ) : No. of measured animals      Av.Wc. : Averaged water consumption (Unit : g).

TABLE 6 WATER CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Week-Day on Study	Control		2500 ppm			5000 ppm			10000 ppm			20000 ppm			40000 ppm		
	Av.Wc.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.	Av.Wc.	% of cont.	No.of Surviv.
	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>	< 5>
1-4	4.4 (5)	5/5	4.3 (5)	98	5/5	3.6 (5)	82	5/5	3.2 (5)	73	5/5	3.4 (5)	77	5/5	2.9 (5)	66	5/5
1-7	4.9 (5)	5/5	4.2 (5)	86	5/5	3.8 (5)	78	5/5	3.9 (5)	80	5/5	3.8 (5)	78	5/5	3.4 (5)	69	5/5
2-4	4.7 (5)	5/5	4.1 (5)	87	5/5	4.2 (5)	89	5/5	4.0 (5)	85	5/5	3.8 (5)	81	5/5	3.3 (5)	70	5/5
2-7	4.7 (5)	5/5	4.0 (5)	85	5/5	3.9 (5)	83	5/5	3.5 (5)	74	5/5	3.7 (5)	79	5/5	3.3 (5)	70	5/5

< > : No. of effective animals, ( ) : No. of measured animals      Av.Wc. : Averaged water consumption (Unit : g).

TABLE 7 ORGAN WEIGHTS OF MALE MICE IN THE 2-WEEK DRINKING WATER STUDY OF 2-METHYL-1-PROPANOL

Group Name	Control	2500 ppm	5000 ppm	10000 ppm	20000 ppm	40000 ppm
No. of examined animal	5	5	5	5	5	5
Body weight (g)	25.9 ± 1.4	26.4 ± 0.9	26.3 ± 0.8	27.2 ± 0.7	26.9 ± 1.3	26.6 ± 1.0
Liver (g)	1.228 ± 0.125	1.345 ± 0.023	1.366 ± 0.078	1.420 ± 0.114	1.487 ± 0.158	** 1.354 ± 0.153
Liver (%)	4.736 ± 0.417	5.105 ± 0.257	5.190 ± 0.374	5.229 ± 0.527	5.524 ± 0.465	5.090 ± 0.409

Mean ± S.D.  
 Significant difference: \* :  $p \leq 0.05$  \*\* :  $p \leq 0.01$  Test of Dunnett