

o-フェニレンジアミン二塩酸塩のラットを用いた
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：0336

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TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE RATS
IN THE 2-WEEK DRINKING WATER STUDY OF O-PHENYLENEDIAMINE DIHYDROCHLORIDE

Week on Study	0ppm		500ppm			1000ppm			2000ppm			4000ppm			6000ppm		
	Av. Wt. <5>	No. of Surviv. 5 / 5	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.
0-0	123 (5)	5 / 5	123 (5)	100	5 / 5	123 (5)	100	5 / 5	123 (5)	100	5 / 5	123 (5)	100	5 / 5	123 (5)	100	5 / 5
1-1	128 (5)	5 / 5	125 (5)	98	5 / 5	122 (5)	95	5 / 5	118 (5)	92	5 / 5	115 (5)	90	5 / 5	112 (5)	88	5 / 5
1-3	137 (5)	5 / 5	134 (5)	98	5 / 5	132 (5)	96	5 / 5	123 (5)	90	5 / 5	109 (5)	80	5 / 5	101 (5)	74	5 / 5
1-7	154 (5)	5 / 5	151 (5)	98	5 / 5	148 (5)	96	5 / 5	138 (5)	90	5 / 5	106 (5)	69	5 / 5	86 (5)	56	5 / 5
2-3	168 (5)	5 / 5	163 (5)	97	5 / 5	161 (5)	96	5 / 5	149 (5)	89	5 / 5	110 (5)	65	5 / 5	77 (5)	46	5 / 5
2-7	185 (5)	5 / 5	180 (5)	97	5 / 5	178 (5)	96	5 / 5	163 (5)	88	5 / 5	120 (5)	65	5 / 5	73 (3)	39	3 / 5

< > : No.of effective animals, () : No.of measured animals Av.Wt.:g

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE RATS
IN THE 2-WEEK DRINKING WATER STUDY OF O-PHENYLENEDIAMINE DIHYDROCHLORIDE

Week on Study	0ppm		500ppm			1000ppm			2000ppm			4000ppm			6000ppm		
	Av. Wt. <5>	No. of Surviv. 5 / 5	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.	Av. Wt. <5>	% of cont. <5>	No. of Surviv.
0-0	99 (5)	5 / 5	99 (5)	100	5 / 5	99 (5)	100	5 / 5	99 (5)	100	5 / 5	99 (5)	100	5 / 5	99 (5)	100	5 / 5
1-1	102 (5)	5 / 5	100 (5)	98	5 / 5	98 (5)	96	5 / 5	95 (5)	93	5 / 5	91 (5)	89	5 / 5	90 (5)	88	5 / 5
1-3	106 (5)	5 / 5	105 (5)	99	5 / 5	104 (5)	98	5 / 5	93 (5)	88	5 / 5	48 (5)	45	5 / 5	81 (5)	76	5 / 5
1-7	110 (5)	5 / 5	112 (5)	102	5 / 5	111 (5)	101	5 / 5	103 (5)	94	5 / 5	77 (5)	70	5 / 5	67 (5)	61	5 / 5
2-3	116 (5)	5 / 5	115 (5)	99	5 / 5	115 (5)	99	5 / 5	107 (5)	92	5 / 5	76 (5)	66	5 / 5	60 (2)	52	2 / 5
2-7	119 (5)	5 / 5	120 (5)	101	5 / 5	119 (5)	100	5 / 5	112 (5)	94	5 / 5	81 (4)	68	4 / 5	- (-)	-	0 / 5

< > : No.of effective animals, () : No.of measured animals Av.Wt.:g

TABLE 3 WATER CONSUMPTION CHANGES OF MALE RATS
IN THE 2-WEEK DRINKING WATER STUDY OF *o*-PHENYLENEDIAMINE DIHYDROCHLORIDE

Week on Study	0ppm		500ppm			1000ppm			2000ppm			4000ppm			6000ppm		
	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>		
1-3	17.6 (5)	5 / 5	14.8 (5)	84	5 / 5	12.9 (5)	73	5 / 5	9.2 (5)	52	5 / 5	3.9 (5)	22	5 / 5	2.2 (5)	13	5 / 5
1-7	16.7 (5)	5 / 5	14.9 (5)	89	5 / 5	13.1 (5)	78	5 / 5	11.9 (5)	71	5 / 5	5.3 (5)	32	5 / 5	2.1 (5)	13	5 / 5
2-3	17.7 (5)	5 / 5	15.5 (5)	88	5 / 5	13.8 (5)	78	5 / 5	12.0 (5)	68	5 / 5	10.2 (5)	58	5 / 5	2.6 (5)	15	5 / 5
2-7	18.0 (5)	5 / 5	16.3 (5)	91	5 / 5	14.5 (5)	81	5 / 5	12.5 (5)	69	5 / 5	8.8 (5)	49	5 / 5	2.8 (3)	16	3 / 5

< > : No. of effective animals, () : No. of measured animals Av.Wc.:g

TABLE 4 WATER CONSUMPTION CHANGES OF FEMALE RATS
IN THE 2-WEEK DRINKING WATER STUDY OF *o*-PHENYLENEDIAMINE DIHYDROCHLORIDE

Week on Study	0ppm		500ppm			1000ppm			2000ppm			4000ppm			6000ppm		
	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>		
1-3	15.5 (5)	5 / 5	13.0 (5)	84	5 / 5	10.6 (5)	68	5 / 5	6.4 (5)	41	5 / 5	2.8 (5)	18	5 / 5	2.6 (5)	17	5 / 5
1-7	16.3 (5)	5 / 5	12.5 (5)	77	5 / 5	9.8 (5)	60	5 / 5	9.1 (5)	56	5 / 5	3.7 (5)	23	5 / 5	2.4 (5)	15	5 / 5
2-3	16.7 (5)	5 / 5	12.7 (5)	76	5 / 5	9.8 (5)	59	5 / 5	8.8 (5)	53	5 / 5	4.9 (5)	29	5 / 5	2.4 (2)	14	2 / 5
2-7	16.7 (5)	5 / 5	13.9 (5)	83	5 / 5	9.8 (5)	59	5 / 5	9.2 (5)	55	5 / 5	5.6 (4)	34	4 / 5	— (—)	—	0 / 5

< > : No. of effective animals, () : No. of measured animals Av.Wc.:g

TABLE 5 FOOD CONSUMPTION CHANGES OF MALE RATS
IN THE 2-WEEK DRINKING WATER STUDY OF *o*-PHENYLENEDIAMINE DIHYDROCHLORIDE

Week on Study	0ppm		500ppm			1000ppm			2000ppm			4000ppm			6000ppm		
	Av. Fc. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5
1-7	13.9 (5)	5 / 5	13.2 (5)	95	5 / 5	12.3 (5)	88	5 / 5	11.0 (5)	79	5 / 5	7.0 (5)	50	5 / 5	4.5 (5)	32	5 / 5
2-7	15.1 (5)	5 / 5	14.9 (5)	99	5 / 5	13.7 (5)	91	5 / 5	12.6 (5)	83	5 / 5	9.0 (5)	60	5 / 5	4.9 (3)	32	3 / 5
< > : No.of effective animals, () : No.of measured animals Av.Fc.:g																	

TABLE 6 FOOD CONSUMPTION CHANGES OF FEMALE RATS
IN THE 2-WEEK DRINKING WATER STUDY OF *o*-PHENYLENEDIAMINE DIHYDROCHLORIDE

Week on Study	0ppm		500ppm			1000ppm			2000ppm			4000ppm			6000ppm		
	Av. Fc. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Fc. <5>	% of cont. <5>	No. of Surviv. 5 / 5	Av. Wt. <5>	% of cont. <5>	No. of Surviv. 5 / 5
1-7	10.1 (5)	5 / 5	9.7 (5)	96	5 / 5	9.2 (5)	91	5 / 5	7.8 (5)	77	5 / 5	4.2 (5)	42	5 / 5	2.9 (5)	29	5 / 5
2-7	10.1 (5)	5 / 5	10.1 (5)	100	5 / 5	9.2 (5)	91	5 / 5	9.1 (5)	90	5 / 5	6.4 (4)	63	4 / 5	- (-)	-	0 / 5
< > : No.of effective animals, () : No.of measured animals Av.Fc.:g																	