

ブチル 2,3-エポキシプロピル エーテルのマウス
を用いた吸入による 13 週間毒性試験報告書

試験番号 : 0416

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TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 13-WEEK INHALATION STUDY OF BUTYL 2,3-EPOXYPROPYL ETHER

Week-Day on Study	0ppm		12.5ppm		25ppm		50ppm		100ppm		200ppm						
	Av.Wt. <10>	No.of Surviv. <10>	Av.Wt. <10>	% of cont. <10>	No.of Surviv. <10>	Av.Wt. <10>	% of cont. <10>	No.of Surviv. <10>	Av.Wt. <10>	% of cont. <10>	No.of Surviv. <10>	Av.Wt. <10>	% of cont. <10>	No.of Surviv. <10>			
0-0	23.3 (10)	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10
1-7	25.2 (10)	10/10	24.3 (10)	96	10/10	24.3 (10)	96	10/10	24.3 (10)	96	10/10	23.4 (10)	93	10/10	21.3 (10)	85	10/10
2-7	26.0 (10)	10/10	24.8 (10)	95	10/10	25.1 (10)	97	10/10	24.5 (10)	94	10/10	22.8 (10)	88	10/10	22.0 (10)	85	10/10
3-7	26.4 (10)	10/10	25.1 (10)	95	10/10	25.4 (10)	96	10/10	24.5 (10)	93	10/10	23.2 (10)	88	10/10	22.4 (10)	85	10/10
4-7	27.1 (10)	10/10	25.7 (10)	95	10/10	26.4 (10)	97	10/10	25.1 (10)	93	10/10	23.5 (10)	87	10/10	23.1 (10)	85	10/10
5-7	27.5 (10)	10/10	26.3 (10)	96	10/10	26.8 (10)	97	10/10	25.2 (10)	92	10/10	23.6 (10)	86	10/10	23.2 (10)	84	10/10
6-7	28.7 (10)	10/10	26.8 (10)	93	10/10	27.0 (10)	94	10/10	25.5 (10)	89	10/10	23.9 (10)	83	10/10	23.5 (10)	82	10/10
7-7	29.1 (10)	10/10	27.4 (10)	94	10/10	27.8 (10)	96	10/10	25.9 (10)	89	10/10	24.4 (10)	84	10/10	24.0 (10)	82	10/10
8-7	29.6 (10)	10/10	27.7 (10)	94	10/10	28.7 (10)	97	10/10	25.9 (10)	88	10/10	24.7 (10)	83	10/10	24.0 (10)	81	10/10
9-7	29.8 (10)	10/10	28.5 (10)	96	10/10	28.8 (10)	97	10/10	25.8 (10)	87	10/10	24.6 (10)	83	10/10	24.2 (10)	81	10/10
10-7	30.6 (10)	10/10	29.0 (10)	95	10/10	29.6 (10)	97	10/10	26.3 (10)	86	10/10	24.8 (10)	81	10/10	24.5 (10)	80	10/10
11-7	31.3 (10)	10/10	29.5 (10)	94	10/10	29.9 (10)	96	10/10	26.1 (10)	83	10/10	25.1 (10)	80	10/10	24.9 (10)	80	10/10
12-7	31.7 (10)	10/10	30.1 (10)	95	10/10	30.0 (10)	95	10/10	26.4 (10)	83	10/10	25.1 (10)	79	10/10	25.0 (10)	79	10/10
13-7	32.4 (10)	10/10	30.3 (10)	94	10/10	30.6 (10)	94	10/10	26.8 (10)	83	10/10	25.7 (10)	79	10/10	25.3 (10)	78	10/10

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

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE IN THE 13-WEEK INHALATION STUDY OF BUTYL 2,3-EPOXYPROPYL ETHER

Week-Day on Study	0ppm		12.5ppm		25ppm		50ppm		100ppm		200ppm						
	Av.Wt. <10>	No.of Surviv. 10/10	Av.Wt. <10>	% of cont. 99	No.of Surviv. 10/10	Av.Wt. <9>	% of cont. 100	No.of Surviv. 9/9	Av.Wt. <10>	% of cont. 99	No.of Surviv. 10/10	Av.Wt. <10>	% of cont. 99	No.of Surviv. 10/10	Av.Wt. <10>	% of cont. 99	No.of Surviv. 10/10
0-0	18.8 (10)	10/10	18.7 (10)	99	10/10	18.8 (9)	100	9/9	18.7 (10)	99	10/10	18.7 (10)	99	10/10	18.7 (10)	99	10/10
1-7	20.1 (10)	10/10	19.9 (10)	99	10/10	19.6 (9)	98	9/9	19.5 (10)	97	10/10	19.3 (10)	96	10/10	17.0 (10)	85	10/10
2-7	20.9 (10)	10/10	20.6 (10)	99	10/10	20.5 (9)	98	9/9	20.0 (10)	96	10/10	19.4 (10)	93	10/10	18.0 (10)	86	10/10
3-7	21.3 (10)	10/10	21.0 (10)	99	10/10	20.9 (9)	98	9/9	20.4 (10)	96	10/10	19.3 (10)	91	10/10	18.6 (10)	87	10/10
4-7	22.1 (10)	10/10	21.9 (10)	99	10/10	22.1 (9)	100	9/9	21.5 (10)	97	10/10	20.1 (10)	91	10/10	19.3 (10)	87	10/10
5-7	22.8 (10)	10/10	22.4 (10)	98	10/10	22.1 (9)	97	9/9	21.7 (10)	95	10/10	20.1 (10)	88	10/10	19.3 (10)	85	10/10
6-7	23.5 (10)	10/10	23.4 (10)	100	10/10	22.8 (9)	97	9/9	22.1 (10)	94	10/10	19.9 (10)	85	10/10	19.4 (10)	83	10/10
7-7	23.8 (10)	10/10	23.5 (10)	99	10/10	23.0 (9)	97	9/9	22.5 (10)	95	10/10	20.4 (10)	86	10/10	19.7 (10)	83	10/10
8-7	24.0 (10)	10/10	23.4 (10)	98	10/10	23.6 (9)	98	9/9	22.6 (10)	94	10/10	20.6 (10)	86	10/10	19.9 (10)	83	10/10
9-7	24.6 (10)	10/10	23.6 (10)	96	10/10	23.6 (9)	96	9/9	23.0 (10)	93	10/10	20.6 (10)	84	10/10	20.1 (10)	82	10/10
10-7	24.1 (10)	10/10	24.4 (10)	101	10/10	23.8 (9)	99	9/9	23.4 (10)	97	10/10	21.2 (10)	88	10/10	20.4 (10)	85	10/10
11-7	24.2 (10)	10/10	24.5 (10)	101	10/10	23.8 (9)	98	9/9	22.7 (10)	94	10/10	21.2 (10)	88	10/10	20.5 (10)	85	10/10
12-7	24.8 (10)	10/10	25.0 (10)	101	10/10	24.3 (9)	98	9/9	23.3 (10)	94	10/10	21.4 (10)	86	10/10	20.5 (10)	83	10/10
13-7	24.8 (10)	10/10	24.9 (10)	100	10/10	24.8 (9)	100	9/9	23.5 (10)	95	10/10	21.8 (10)	88	10/10	20.6 (10)	83	10/10

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

TABLE 3

FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK INHALATION STUDY OF BUTYL 2,3-EPOXYPROPYL ETHER

Week-Day on Study	0ppm		12.5ppm		25ppm		50ppm		100ppm		200ppm						
	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.			
	<10>		<10>		<10>	<10>		<10>	<10>		<10>	<10>		<10>			
1-7	4.5 (10)	10/10	4.3 (10)	96	10/10	4.4 (10)	98	10/10	4.3 (10)	96	10/10	3.7 (10)	82	10/10	2.9 (10)	64	10/10
2-7	4.2 (10)	10/10	4.1 (10)	98	10/10	4.1 (10)	98	10/10	3.8 (10)	90	10/10	3.2 (10)	76	10/10	3.2 (10)	76	10/10
3-7	4.2 (10)	10/10	4.2 (10)	100	10/10	4.2 (10)	100	10/10	3.8 (10)	90	10/10	3.3 (10)	79	10/10	3.2 (10)	76	10/10
4-7	4.4 (10)	10/10	4.3 (10)	98	10/10	4.4 (10)	100	10/10	4.0 (10)	91	10/10	3.4 (10)	77	10/10	3.4 (10)	77	10/10
5-7	4.3 (10)	10/10	4.2 (10)	98	10/10	4.3 (10)	100	10/10	3.9 (10)	91	10/10	3.4 (10)	79	10/10	3.2 (10)	74	10/10
6-7	4.5 (10)	10/10	4.3 (10)	96	10/10	4.3 (10)	96	10/10	3.8 (10)	84	10/10	3.3 (10)	73	10/10	3.1 (10)	69	10/10
7-7	4.3 (10)	10/10	4.3 (10)	100	10/10	4.4 (10)	102	10/10	4.1 (10)	95	10/10	3.5 (10)	81	10/10	3.3 (10)	77	10/10
8-7	4.5 (10)	10/10	4.5 (10)	100	10/10	4.5 (10)	100	10/10	3.9 (10)	87	10/10	3.5 (10)	78	10/10	3.3 (10)	73	10/10
9-7	4.5 (10)	10/10	4.5 (10)	100	10/10	4.4 (10)	98	10/10	3.9 (10)	87	10/10	3.5 (10)	78	10/10	3.2 (10)	71	10/10
10-7	4.5 (10)	10/10	4.5 (10)	100	10/10	4.6 (10)	102	10/10	4.1 (10)	91	10/10	3.6 (10)	80	10/10	3.4 (10)	76	10/10
11-7	4.5 (10)	10/10	4.5 (10)	100	10/10	4.4 (10)	98	10/10	3.8 (10)	84	10/10	3.6 (10)	80	10/10	3.3 (10)	73	10/10
12-7	4.6 (10)	10/10	4.5 (10)	98	10/10	4.4 (10)	96	10/10	4.0 (10)	87	10/10	3.6 (10)	78	10/10	3.4 (10)	74	10/10
13-7	4.6 (10)	10/10	4.4 (10)	96	10/10	4.5 (10)	98	10/10	4.0 (10)	87	10/10	3.6 (10)	78	10/10	3.3 (10)	72	10/10

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

TABLE 4

FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK INHALATION STUDY OF BUTYL 2,3-EPOXYPROPYL ETHER

Week-Day on Study	0ppm		12.5ppm		25ppm		50ppm		100ppm		200ppm						
	Av.FC. <10>	No.of Surviv. 10/10	Av.FC. <10>	% of cont. 103	No.of Surviv. 10/10	Av.FC. <9>	% of cont. 95	No.of Surviv. 9/9	Av.FC. <10>	% of cont. 95	No.of Surviv. 10/10	Av.FC. <10>	% of cont. 82	No.of Surviv. 10/10	Av.FC. <10>	% of cont. 67	No.of Surviv. 10/10
1-7	3.9 (10)	10/10	4.0 (10)	103	10/10	3.7 (9)	95	9/9	3.7 (10)	95	10/10	3.2 (10)	82	10/10	2.6 (10)	67	10/10
2-7	3.6 (10)	10/10	3.9 (10)	108	10/10	3.5 (9)	97	9/9	3.6 (10)	100	10/10	2.9 (10)	81	10/10	2.8 (10)	78	10/10
3-7	3.8 (10)	10/10	4.0 (10)	105	10/10	3.7 (9)	97	9/9	3.6 (10)	95	10/10	3.0 (10)	79	10/10	2.9 (10)	76	10/10
4-7	4.1 (10)	10/10	4.4 (10)	107	10/10	3.9 (9)	95	9/9	3.8 (10)	93	10/10	3.2 (10)	78	10/10	3.1 (10)	76	10/10
5-7	4.2 (10)	10/10	4.4 (10)	105	10/10	3.9 (9)	93	9/9	3.8 (10)	90	10/10	3.1 (10)	74	10/10	2.9 (10)	69	10/10
6-7	4.4 (10)	10/10	4.4 (10)	100	10/10	4.0 (9)	91	9/9	3.7 (10)	84	10/10	3.1 (10)	70	10/10	2.9 (10)	66	10/10
7-7	4.2 (10)	10/10	4.5 (10)	107	10/10	4.0 (9)	95	9/9	3.8 (10)	90	10/10	3.3 (10)	79	10/10	3.0 (10)	71	10/10
8-7	4.4 (10)	10/10	4.5 (10)	102	10/10	4.1 (9)	93	9/9	3.8 (10)	86	10/10	3.3 (10)	75	10/10	3.0 (10)	68	10/10
9-7	4.3 (10)	10/10	4.5 (10)	105	10/10	4.1 (9)	95	9/9	3.8 (10)	88	10/10	3.3 (10)	77	10/10	3.0 (10)	70	10/10
10-7	4.2 (10)	10/10	4.5 (10)	107	10/10	4.1 (9)	98	9/9	3.9 (10)	93	10/10	3.5 (10)	83	10/10	3.1 (10)	74	10/10
11-7	4.3 (10)	10/10	4.5 (10)	105	10/10	4.1 (9)	95	9/9	3.7 (10)	86	10/10	3.3 (10)	77	10/10	3.1 (10)	72	10/10
12-7	4.5 (10)	10/10	4.7 (10)	104	10/10	4.2 (9)	93	9/9	3.9 (10)	87	10/10	3.5 (10)	78	10/10	3.1 (10)	69	10/10
13-7	4.4 (10)	10/10	4.6 (10)	105	10/10	4.2 (9)	95	9/9	3.7 (10)	84	10/10	3.5 (10)	80	10/10	3.1 (10)	70	10/10

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