

1-ブロモ-3-クロロプロバンのラットを用いた  
吸入による 13 週間毒性試験報告書

試験番号：0397

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TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE RATS IN THE 13-WEEK INHALATION STUDY  
OF 1-BROMO-3-CHLOROPROPANE

| Week-Day<br>on Study | 0ppm     |                  | 25ppm    |               | 50ppm            |          | 100ppm        |                  | 200ppm   |               | 400ppm           |          |               |                  |          |    |       |
|----------------------|----------|------------------|----------|---------------|------------------|----------|---------------|------------------|----------|---------------|------------------|----------|---------------|------------------|----------|----|-------|
|                      | Av.Wt.   | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. |          |    |       |
|                      | <10>     |                  | <10>     |               | <10>             |          | <10>          |                  | <10>     |               | <10>             |          |               |                  |          |    |       |
| 0-0                  | 117 (10) | 10/10            | 117 (10) | 100           | 10/10            | 117 (10) | 100           | 10/10            | 117 (10) | 100           | 10/10            | 117 (10) | 100           | 10/10            |          |    |       |
| 1-7                  | 145 (10) | 10/10            | 148 (10) | 102           | 10/10            | 147 (10) | 101           | 10/10            | 148 (10) | 102           | 10/10            | 139 (10) | 96            | 10/10            | 131 (10) | 90 | 10/10 |
| 2-7                  | 172 (10) | 10/10            | 176 (10) | 102           | 10/10            | 176 (10) | 102           | 10/10            | 179 (10) | 104           | 10/10            | 168 (10) | 98            | 10/10            | 149 (10) | 87 | 10/10 |
| 3-7                  | 197 (10) | 10/10            | 200 (10) | 102           | 10/10            | 201 (10) | 102           | 10/10            | 204 (10) | 104           | 10/10            | 193 (10) | 98            | 10/10            | 168 (10) | 85 | 10/10 |
| 4-7                  | 216 (10) | 10/10            | 220 (10) | 102           | 10/10            | 222 (10) | 103           | 10/10            | 226 (10) | 105           | 10/10            | 214 (10) | 99            | 10/10            | 180 (10) | 83 | 10/10 |
| 5-7                  | 232 (10) | 10/10            | 237 (10) | 102           | 10/10            | 239 (10) | 103           | 10/10            | 243 (10) | 105           | 10/10            | 231 (10) | 100           | 10/10            | 195 (10) | 84 | 10/10 |
| 6-7                  | 244 (10) | 10/10            | 250 (10) | 102           | 10/10            | 252 (10) | 103           | 10/10            | 255 (10) | 105           | 10/10            | 245 (10) | 100           | 10/10            | 204 (10) | 84 | 10/10 |
| 7-7                  | 256 (10) | 10/10            | 264 (10) | 103           | 10/10            | 265 (10) | 104           | 10/10            | 269 (10) | 105           | 10/10            | 259 (10) | 101           | 10/10            | 213 (10) | 83 | 10/10 |
| 8-7                  | 268 (10) | 10/10            | 275 (10) | 103           | 10/10            | 278 (10) | 104           | 10/10            | 282 (10) | 105           | 10/10            | 270 (10) | 101           | 10/10            | 222 (10) | 83 | 10/10 |
| 9-7                  | 277 (10) | 10/10            | 283 (10) | 102           | 10/10            | 286 (10) | 103           | 10/10            | 290 (10) | 105           | 10/10            | 281 (10) | 101           | 10/10            | 228 (10) | 82 | 10/10 |
| 10-7                 | 283 (10) | 10/10            | 291 (10) | 103           | 10/10            | 294 (10) | 104           | 10/10            | 297 (10) | 105           | 10/10            | 288 (10) | 102           | 10/10            | 234 (10) | 83 | 10/10 |
| 11-7                 | 288 (10) | 10/10            | 300 (10) | 104           | 10/10            | 302 (10) | 105           | 10/10            | 303 (10) | 105           | 10/10            | 296 (10) | 103           | 10/10            | 240 (10) | 83 | 10/10 |
| 12-7                 | 295 (10) | 10/10            | 303 (10) | 103           | 10/10            | 308 (10) | 104           | 10/10            | 309 (10) | 105           | 10/10            | 300 (10) | 102           | 10/10            | 242 (10) | 82 | 10/10 |
| 13-7                 | 297 (10) | 10/10            | 306 (10) | 103           | 10/10            | 311 (10) | 105           | 10/10            | 311 (10) | 105           | 10/10            | 307 (10) | 103           | 10/10            | 245 (10) | 82 | 10/10 |

< > : 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 13-WEEK INHALATION STUDY  
OF 1-BROMO-3-CHLOROPROPANE

| Week-Day<br>on Study | 0ppm     |                  | 25ppm    |               | 50ppm            |          | 100ppm        |                  | 200ppm   |               | 400ppm           |          |               |                  |          |     |       |
|----------------------|----------|------------------|----------|---------------|------------------|----------|---------------|------------------|----------|---------------|------------------|----------|---------------|------------------|----------|-----|-------|
|                      | Av.Wt.   | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. | Av.Wt.   | % of<br>cont. | No.of<br>Surviv. |          |     |       |
|                      | <10>     |                  | <10>     |               | <10>             |          | <10>          |                  | <10>     |               | <10>             |          | <10>          |                  |          |     |       |
| 0-0                  | 93 (10)  | 10/10            | 93 (10)  | 100           | 10/10            | 93 (10)  | 100           | 10/10            | 93 (10)  | 100           | 10/10            | 93 (10)  | 100           | 10/10            | 93 (10)  | 100 | 10/10 |
| 1-7                  | 108 (10) | 10/10            | 107 (10) | 99            | 10/10            | 106 (10) | 98            | 10/10            | 108 (10) | 100           | 10/10            | 105 (10) | 97            | 10/10            | 101 (10) | 94  | 10/10 |
| 2-7                  | 121 (10) | 10/10            | 121 (10) | 100           | 10/10            | 118 (10) | 98            | 10/10            | 121 (10) | 100           | 10/10            | 118 (10) | 98            | 10/10            | 109 (10) | 90  | 10/10 |
| 3-7                  | 132 (10) | 10/10            | 132 (10) | 100           | 10/10            | 128 (10) | 97            | 10/10            | 131 (10) | 99            | 10/10            | 129 (10) | 98            | 10/10            | 117 (10) | 89  | 10/10 |
| 4-7                  | 139 (10) | 10/10            | 139 (10) | 100           | 10/10            | 135 (10) | 97            | 10/10            | 138 (10) | 99            | 10/10            | 138 (10) | 99            | 10/10            | 125 (10) | 90  | 10/10 |
| 5-7                  | 146 (10) | 10/10            | 146 (10) | 100           | 10/10            | 141 (10) | 97            | 10/10            | 145 (10) | 99            | 10/10            | 143 (10) | 98            | 10/10            | 131 (10) | 90  | 10/10 |
| 6-7                  | 151 (10) | 10/10            | 151 (10) | 100           | 10/10            | 146 (10) | 97            | 10/10            | 151 (10) | 100           | 10/10            | 150 (10) | 99            | 10/10            | 136 (10) | 90  | 10/10 |
| 7-7                  | 155 (10) | 10/10            | 156 (10) | 101           | 10/10            | 151 (10) | 97            | 10/10            | 155 (10) | 100           | 10/10            | 154 (10) | 99            | 10/10            | 140 (10) | 90  | 10/10 |
| 8-7                  | 158 (10) | 10/10            | 159 (10) | 101           | 10/10            | 153 (10) | 97            | 10/10            | 159 (10) | 101           | 10/10            | 158 (10) | 100           | 10/10            | 143 (10) | 91  | 10/10 |
| 9-7                  | 161 (10) | 10/10            | 164 (10) | 102           | 10/10            | 157 (10) | 98            | 10/10            | 162 (10) | 101           | 10/10            | 163 (10) | 101           | 10/10            | 147 (10) | 91  | 10/10 |
| 10-7                 | 165 (10) | 10/10            | 168 (10) | 102           | 10/10            | 162 (10) | 98            | 10/10            | 167 (10) | 101           | 10/10            | 167 (10) | 101           | 10/10            | 149 (10) | 90  | 10/10 |
| 11-7                 | 168 (10) | 10/10            | 171 (10) | 102           | 10/10            | 164 (10) | 98            | 10/10            | 169 (10) | 101           | 10/10            | 170 (10) | 101           | 10/10            | 153 (10) | 91  | 10/10 |
| 12-7                 | 170 (10) | 10/10            | 175 (10) | 103           | 10/10            | 164 (10) | 96            | 10/10            | 171 (10) | 101           | 10/10            | 170 (10) | 100           | 10/10            | 154 (10) | 91  | 10/10 |
| 13-7                 | 170 (10) | 10/10            | 172 (10) | 101           | 10/10            | 166 (10) | 98            | 10/10            | 173 (10) | 102           | 10/10            | 173 (10) | 102           | 10/10            | 155 (10) | 91  | 10/10 |

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

TABLE 3 FOOD CONSUMPTION CHANGES OF MALE RATS IN THE 13-WEEK INHALATION STUDY OF 1-BROMO-3-CHLOROPROPANE

| Week-Day<br>on Study | Oppm      |                  | 25ppm     |               | 50ppm            |           | 100ppm        |                  | 200ppm    |               | 400ppm           |           |               |                  |           |     |       |
|----------------------|-----------|------------------|-----------|---------------|------------------|-----------|---------------|------------------|-----------|---------------|------------------|-----------|---------------|------------------|-----------|-----|-------|
|                      | Av.FC.    | No.of<br>Surviv. | Av.FC.    | % of<br>cont. | No.of<br>Surviv. | Av.FC.    | % of<br>cont. | No.of<br>Surviv. | Av.FC.    | % of<br>cont. | No.of<br>Surviv. | Av.FC.    | % of<br>cont. | No.of<br>Surviv. |           |     |       |
|                      |           | <10>             |           |               | <10>             |           |               | <10>             |           |               | <10>             |           |               | <10>             |           |     |       |
| 1-7                  | 13.5 (10) | 10/10            | 14.2 (10) | 105           | 10/10            | 14.1 (10) | 104           | 10/10            | 14.2 (10) | 105           | 10/10            | 12.0 (10) | 89            | 10/10            | 11.2 (10) | 83  | 10/10 |
| 2-7                  | 14.6 (10) | 10/10            | 15.1 (10) | 103           | 10/10            | 15.2 (10) | 104           | 10/10            | 15.8 (10) | 108           | 10/10            | 14.3 (10) | 98            | 10/10            | 13.7 (10) | 94  | 10/10 |
| 3-7                  | 15.7 (10) | 10/10            | 16.0 (10) | 102           | 10/10            | 16.6 (10) | 106           | 10/10            | 17.1 (10) | 109           | 10/10            | 16.5 (10) | 105           | 10/10            | 14.6 (10) | 93  | 10/10 |
| 4-7                  | 15.7 (10) | 10/10            | 16.6 (10) | 106           | 10/10            | 16.5 (10) | 105           | 10/10            | 17.5 (10) | 111           | 10/10            | 16.8 (10) | 107           | 10/10            | 15.2 (10) | 97  | 10/10 |
| 5-7                  | 15.8 (10) | 10/10            | 16.6 (10) | 105           | 10/10            | 16.6 (10) | 105           | 10/10            | 17.4 (10) | 110           | 10/10            | 16.8 (10) | 106           | 10/10            | 15.7 (10) | 99  | 10/10 |
| 6-7                  | 15.4 (10) | 10/10            | 16.3 (10) | 106           | 10/10            | 15.9 (10) | 103           | 10/10            | 16.9 (10) | 110           | 10/10            | 16.7 (10) | 108           | 10/10            | 16.1 (10) | 105 | 10/10 |
| 7-7                  | 15.1 (10) | 10/10            | 16.3 (10) | 108           | 10/10            | 16.1 (10) | 107           | 10/10            | 17.2 (10) | 114           | 10/10            | 17.2 (10) | 114           | 10/10            | 16.1 (10) | 107 | 10/10 |
| 8-7                  | 14.9 (10) | 10/10            | 16.1 (10) | 108           | 10/10            | 16.1 (10) | 108           | 10/10            | 16.8 (10) | 113           | 10/10            | 17.1 (10) | 115           | 10/10            | 16.3 (10) | 109 | 10/10 |
| 9-7                  | 15.6 (10) | 10/10            | 16.2 (10) | 104           | 10/10            | 16.3 (10) | 104           | 10/10            | 16.7 (10) | 107           | 10/10            | 17.4 (10) | 112           | 10/10            | 16.5 (10) | 106 | 10/10 |
| 10-7                 | 15.3 (10) | 10/10            | 15.9 (10) | 104           | 10/10            | 15.8 (10) | 103           | 10/10            | 16.5 (10) | 108           | 10/10            | 16.9 (10) | 110           | 10/10            | 16.5 (10) | 108 | 10/10 |
| 11-7                 | 15.2 (10) | 10/10            | 16.2 (10) | 107           | 10/10            | 16.1 (10) | 106           | 10/10            | 16.7 (10) | 110           | 10/10            | 16.8 (10) | 111           | 10/10            | 16.5 (10) | 109 | 10/10 |
| 12-7                 | 15.3 (10) | 10/10            | 15.6 (10) | 102           | 10/10            | 15.8 (10) | 103           | 10/10            | 15.9 (10) | 104           | 10/10            | 16.8 (10) | 110           | 10/10            | 16.3 (10) | 107 | 10/10 |
| 13-7                 | 15.5 (10) | 10/10            | 15.8 (10) | 102           | 10/10            | 15.9 (10) | 103           | 10/10            | 16.0 (10) | 103           | 10/10            | 16.7 (10) | 108           | 10/10            | 16.5 (10) | 106 | 10/10 |

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

TABLE 4 FOOD CONSUMPTION CHANGES OF FEMALE RATS IN THE 13-WEEK INHALATION STUDY OF 1-BROMO-3-CHLOROPROPANE

| Week-Day<br>on Study | Oppm      |                  | 25ppm     |                                | 50ppm     |                                | 100ppm    |                                | 200ppm    |                                | 400ppm    |                                |
|----------------------|-----------|------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|
|                      | Av.FC.    | No.of<br>Surviv. | Av.FC.    | % of<br>cont. No.of<br>Surviv. | Av.FC.    | % of<br>cont. No.of<br>Surviv. | Av.FC.    | % of<br>cont. No.of<br>Surviv. | Av.FC.    | % of<br>cont. No.of<br>Surviv. | Av.FC.    | % of<br>cont. No.of<br>Surviv. |
|                      | <10>      |                  | <10>      |                                | <10>      |                                | <10>      |                                | <10>      |                                | <10>      |                                |
| 1-7                  | 10.1 (10) | 10/10            | 10.3 (10) | 102 10/10                      | 10.2 (10) | 101 10/10                      | 10.1 (10) | 100 10/10                      | 9.0 (10)  | 89 10/10                       | 9.2 (10)  | 91 10/10                       |
| 2-7                  | 10.5 (10) | 10/10            | 10.7 (10) | 102 10/10                      | 10.5 (10) | 100 10/10                      | 10.8 (10) | 103 10/10                      | 10.4 (10) | 99 10/10                       | 10.5 (10) | 100 10/10                      |
| 3-7                  | 11.0 (10) | 10/10            | 11.2 (10) | 102 10/10                      | 10.9 (10) | 99 10/10                       | 11.2 (10) | 102 10/10                      | 11.6 (10) | 105 10/10                      | 11.0 (10) | 100 10/10                      |
| 4-7                  | 11.0 (10) | 10/10            | 11.0 (10) | 100 10/10                      | 10.9 (10) | 99 10/10                       | 11.2 (10) | 102 10/10                      | 11.8 (10) | 107 10/10                      | 11.2 (10) | 102 10/10                      |
| 5-7                  | 11.0 (10) | 10/10            | 10.9 (10) | 99 10/10                       | 10.8 (10) | 98 10/10                       | 11.1 (10) | 101 10/10                      | 11.6 (10) | 105 10/10                      | 11.8 (10) | 107 10/10                      |
| 6-7                  | 10.8 (10) | 10/10            | 10.6 (10) | 98 10/10                       | 10.6 (10) | 98 10/10                       | 10.6 (10) | 98 10/10                       | 11.4 (10) | 106 10/10                      | 11.5 (10) | 106 10/10                      |
| 7-7                  | 10.7 (10) | 10/10            | 10.9 (10) | 102 10/10                      | 10.7 (10) | 100 10/10                      | 11.1 (10) | 104 10/10                      | 11.5 (10) | 107 10/10                      | 11.5 (10) | 107 10/10                      |
| 8-7                  | 10.2 (10) | 10/10            | 10.4 (10) | 102 10/10                      | 10.2 (10) | 100 10/10                      | 10.7 (10) | 105 10/10                      | 11.2 (10) | 110 10/10                      | 11.8 (10) | 116 10/10                      |
| 9-7                  | 10.6 (10) | 10/10            | 10.8 (10) | 102 10/10                      | 10.5 (10) | 99 10/10                       | 10.9 (10) | 103 10/10                      | 11.5 (10) | 108 10/10                      | 11.9 (10) | 112 10/10                      |
| 10-7                 | 10.4 (10) | 10/10            | 10.6 (10) | 102 10/10                      | 10.6 (10) | 102 10/10                      | 11.0 (10) | 106 10/10                      | 11.1 (10) | 107 10/10                      | 12.0 (10) | 115 10/10                      |
| 11-7                 | 10.7 (10) | 10/10            | 11.1 (10) | 104 10/10                      | 10.6 (10) | 99 10/10                       | 11.0 (10) | 103 10/10                      | 11.5 (10) | 107 10/10                      | 12.0 (10) | 112 10/10                      |
| 12-7                 | 10.4 (10) | 10/10            | 11.1 (10) | 107 10/10                      | 10.2 (10) | 98 10/10                       | 10.8 (10) | 104 10/10                      | 10.7 (10) | 103 10/10                      | 11.9 (10) | 114 10/10                      |
| 13-7                 | 10.1 (10) | 10/10            | 10.2 (10) | 101 10/10                      | 10.1 (10) | 100 10/10                      | 10.8 (10) | 107 10/10                      | 11.1 (10) | 110 10/10                      | 12.3 (10) | 122 10/10                      |

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