

**Experiment Number:** 99028-07  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 22:58:36  
**First Dose M/F:** NA / NA  
**Lab:** BAT

|                             |              |
|-----------------------------|--------------|
| <b>C Number:</b>            | C99028B      |
| <b>Lock Date:</b>           | Not Entered. |
| <b>Cage Range:</b>          | All          |
| <b>Date Range:</b>          | All          |
| <b>Reasons For Removal:</b> | All          |
| <b>Removal Date Range:</b>  | All          |
| <b>Treatment Groups:</b>    | All          |
| <b>Study Gender:</b>        | Male         |
| <b>PWG Approval Date</b>    | NONE         |

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Male MOUSE  
FIRST TERMINAL SACRIFICE AT 3 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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|                              |    |                   |   |                   |            |
|------------------------------|----|-------------------|---|-------------------|------------|
| <b>DOSE = 0 mg/kg</b>        |    |                   |   |                   |            |
| TOTAL                        | 10 | UNCENSORED DEATHS | 0 | CENSORED DEATHS 5 | TERMINAL 5 |
| <b>UNCENSORED DEATH DAYS</b> |    |                   |   |                   |            |
| none                         |    |                   |   |                   |            |
| <b>CENSORED DEATH DAYS</b>   |    |                   |   |                   |            |
| 1                            | 1  | 1                 | 1 | 1                 |            |

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|                              |    |                   |   |                   |            |
|------------------------------|----|-------------------|---|-------------------|------------|
| <b>DOSE = 50 mg/kg</b>       |    |                   |   |                   |            |
| TOTAL                        | 10 | UNCENSORED DEATHS | 0 | CENSORED DEATHS 5 | TERMINAL 5 |
| <b>UNCENSORED DEATH DAYS</b> |    |                   |   |                   |            |
| none                         |    |                   |   |                   |            |
| <b>CENSORED DEATH DAYS</b>   |    |                   |   |                   |            |
| 1                            | 1  | 1                 | 1 | 1                 |            |

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|                              |    |                   |   |                   |            |
|------------------------------|----|-------------------|---|-------------------|------------|
| <b>DOSE = 100 mg/kg</b>      |    |                   |   |                   |            |
| TOTAL                        | 10 | UNCENSORED DEATHS | 0 | CENSORED DEATHS 5 | TERMINAL 5 |
| <b>UNCENSORED DEATH DAYS</b> |    |                   |   |                   |            |
| none                         |    |                   |   |                   |            |
| <b>CENSORED DEATH DAYS</b>   |    |                   |   |                   |            |
| 1                            | 1  | 1                 | 1 | 1                 |            |

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|                              |    |                   |   |                   |            |
|------------------------------|----|-------------------|---|-------------------|------------|
| <b>DOSE = 150 mg/kg</b>      |    |                   |   |                   |            |
| TOTAL                        | 10 | UNCENSORED DEATHS | 0 | CENSORED DEATHS 5 | TERMINAL 5 |
| <b>UNCENSORED DEATH DAYS</b> |    |                   |   |                   |            |
| none                         |    |                   |   |                   |            |
| <b>CENSORED DEATH DAYS</b>   |    |                   |   |                   |            |
| 1                            | 1  | 1                 | 1 | 1                 |            |

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(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 3 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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|                              |    |   |                   |   |                 |   |          |   |
|------------------------------|----|---|-------------------|---|-----------------|---|----------|---|
| <b>DOSE = 200 mg/kg</b>      |    |   |                   |   |                 |   |          |   |
| TOTAL                        | 10 |   | UNCENSORED DEATHS | 0 | CENSORED DEATHS | 5 | TERMINAL | 5 |
| <b>UNCENSORED DEATH DAYS</b> |    |   |                   |   |                 |   |          |   |
| none                         |    |   |                   |   |                 |   |          |   |
| <b>CENSORED DEATH DAYS</b>   |    |   |                   |   |                 |   |          |   |
| 1                            | 1  | 1 | 1                 | 1 |                 |   |          |   |

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|                              |    |   |                   |   |                 |   |          |   |
|------------------------------|----|---|-------------------|---|-----------------|---|----------|---|
| <b>DOSE = 300 mg/kg</b>      |    |   |                   |   |                 |   |          |   |
| TOTAL                        | 10 |   | UNCENSORED DEATHS | 5 | CENSORED DEATHS | 5 | TERMINAL | 0 |
| <b>UNCENSORED DEATH DAYS</b> |    |   |                   |   |                 |   |          |   |
| 1                            | 1  | 2 | 2                 | 2 |                 |   |          |   |
| <b>CENSORED DEATH DAYS</b>   |    |   |                   |   |                 |   |          |   |
| 1                            | 1  | 1 | 1                 | 1 |                 |   |          |   |

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**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 3 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

| DOSE      | TIME (DAYS) |       |       |       |       |       |       |       |       |       |
|-----------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|           | 1           | 2     | 3(A)  | 4     | 5     | 6     | 7     | 8     | 9     | 3(A)  |
| 0 mg/kg   | 100.0       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 50 mg/kg  | 100.0       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 mg/kg | 100.0       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 150 mg/kg | 100.0       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 mg/kg | 100.0       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 mg/kg | 80.0        | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**FIRST TERMINAL SACRIFICE AT 3 DAYS**

**SURVIVAL SUMMARY STATISTICS**

| <b>DOSE</b>   | <b>0 mg/kg</b> | <b>50 mg/kg</b> | <b>100 mg/kg</b> | <b>150 mg/kg</b> |
|---|----------------|-----------------|------------------|------------------|
| <b>SURVIVAL AT END OF STUDY</b><br>(KAPLAN-MEIER)         | 100.0%         | 100.0%          | 100.0%           | 100.0%           |
| <b>SIGNIFICANCE (B)</b><br>(LIFE TABLE)                   | P=0.000        | -----           | -----            | -----            |
| <b>MEAN DAY OF NATURAL DEATHS (C)</b><br>(STANDARD ERROR) | .              | .               | .                | .                |
|   | (.)            | (.)             | (.)              | (.)              |
| <b>MEAN LIFE SPAN (D)</b><br>(STANDARD ERROR)             | 2.0            | 2.0             | 2.0              | 2.0              |
|   | (0.3)          | (0.3)           | (0.3)            | (0.3)            |

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**FIRST TERMINAL SACRIFICE AT 3 DAYS**

**SURVIVAL SUMMARY STATISTICS**

| <b>DOSE</b>   | <b>200 mg/kg</b> | <b>300 mg/kg</b> |
|---|------------------|------------------|
| <b>SURVIVAL AT END OF STUDY</b><br>(KAPLAN-MEIER)         | 100.0%           | 0.0%             |
| <b>SIGNIFICANCE (B)</b><br>(LIFE TABLE)                   | -----            | P=0.016          |
| <b>MEAN DAY OF NATURAL DEATHS (C)</b><br>(STANDARD ERROR) | .<br>(.)         | 1.6<br>(0.2)     |
| <b>MEAN LIFE SPAN (D)</b><br>(STANDARD ERROR)             | 2.0<br>(0.3)     | 1.3<br>(0.2)     |

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