Experiment Number: 96013-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

C Number: C96013
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:32:43
First Dose M/F: NA / NA
Lab: BAT
**Experiment Number:** 96013-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/LONG-EVANS  

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

**Test Compound:** Melatonin  
**CAS Number:** 73-31-4  

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:32:43  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<table>
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<th>DOSE = 0 UG/KG</th>
<th>UNCENSORED DEATHS</th>
<th>CENSORED DEATHS</th>
<th>TERMINAL</th>
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<tbody>
<tr>
<td>TOTAL 10</td>
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- UNCENSORED DEATH DAYS: none
- CENSORED DEATH DAYS: none

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- UNCENSORED DEATH DAYS: none
- CENSORED DEATH DAYS: none

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- UNCENSORED DEATH DAYS: none
- CENSORED DEATH DAYS: none

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</tbody>
</table>

- UNCENSORED DEATH DAYS: none
- CENSORED DEATH DAYS: none

---

(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)
Male RAT
FIRST TERMINAL SACRIFICE AT 28 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

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(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)
## Kaplan-Meier Survival Probability Estimates (%)

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<tr>
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<th>21</th>
<th>24</th>
<th>27</th>
<th>28(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 UG/KG</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
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</tr>
</tbody>
</table>

(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)**
### Male RAT
#### FIRST TERMINAL SACRIFICE AT 28 DAYS

<table>
<thead>
<tr>
<th>DOSE</th>
<th>0 UG/KG</th>
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<th>50 UG/KG</th>
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<td>SURVIVAL AT END OF STUDY</td>
<td>100.0%</td>
<td>100.0%</td>
<td>100.0%</td>
<td>100.0%</td>
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<tr>
<td>(KAPLAN-MEIER)</td>
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<td>--------</td>
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<td>------------</td>
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<tr>
<td>SIGNIFICANCE (B)</td>
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<td>(LIFE TABLE)</td>
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Male RAT
FIRST TERMINAL SACRIFICE AT 28 DAYS

<table>
<thead>
<tr>
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<tr>
<td>SIGNIFICANCE (B)</td>
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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)
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<th>Censored DEATHs 0</th>
<th>TERMINAL 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL 10</td>
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<tr>
<td>UNCensored DEATH DAYS</td>
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(D) MEAN OF ALL DEATHs (UNCsensored, Censored, TERMINAL SACRIFICE)
Experiment Number: 96013-02  
Test Type: 14-DAY  
Route: GAVAGE  
Species/Strain: Rat/LONG-EVANS

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Test Compound: Melatonin  
CAS Number: 73-31-4

Date Report Requested: 10/23/2014  
Time Report Requested: 08:32:43  
First Dose M/F: NA / NA  
Lab: BAT

Female RAT  
FIRST TERMINAL SACRIFICE AT 28 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

<table>
<thead>
<tr>
<th>DOSE</th>
<th>TOTAL 10</th>
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Female RAT
FIRST TERMINAL SACRIFICE AT 28 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

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<tr>
<th>DOSE</th>
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** END OF REPORT **