Study Number: I11054
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

M15: Natural Killer Cell Activity
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 09/12/2018
Time Report Requested: 08:57:33
Lab: Burleson Research Technologies

C Number: I11054
Study Gender: Female
PWG Approval Date: See web page for date of PWG Approval
Females

<table>
<thead>
<tr>
<th>Treatment Groups (mg/kg)</th>
<th>0</th>
<th>1</th>
<th>10</th>
<th>30</th>
<th>100</th>
<th>300</th>
<th>50 mg/kg CPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NK Cell Activity (12.5:1)</td>
<td>10.42 ± 0.90 (8) *</td>
<td>4.33 ± 0.51 (6) *</td>
<td>10.07 ± 0.91 (8)</td>
<td>9.68 ± 0.51 (8)</td>
<td>11.70 ± 1.04 (8)</td>
<td>11.53 ± 0.98 (8)</td>
<td>10.20 ± 1.17 (8)</td>
</tr>
<tr>
<td>NK Cell Activity (25:1)</td>
<td>15.65 ± 1.50 (8)</td>
<td>12.04 ± 1.07 (8)</td>
<td>15.67 ± 1.33 (8)</td>
<td>15.31 ± 0.98 (8)</td>
<td>16.32 ± 1.87 (8)</td>
<td>16.83 ± 1.36 (8)</td>
<td>12.24 ± 0.64 (8) *</td>
</tr>
<tr>
<td>NK Cell Activity (50:1)</td>
<td>28.66 ± 1.92 (8)</td>
<td>25.30 ± 2.22 (8)</td>
<td>29.41 ± 1.94 (8)</td>
<td>23.65 ± 1.12 (8)</td>
<td>25.50 ± 2.26 (8)</td>
<td>25.61 ± 2.12 (8)</td>
<td>18.01 ± 1.20 (4) **</td>
</tr>
</tbody>
</table>
LEGEND

Data are displayed as mean ± SEM (N) unless otherwise noted.
Data displayed as a mean of (effector cell:target cell ratio)
NK - Natural Killer
NK Cell Activity is expressed as % target cell killing calculated as (sample Cr51 release - spontaneous Cr51 release / total Cr51 release - spontaneous Cr51 release)
Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).
Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.
* Statistically significant at P <= 0.05
** Statistically significant at P <= 0.01
Statistical significance for the control group indicates a significant trend test
Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group
CPS = Cyclophosphamide

** END OF REPORT **