**Supplementary File 6. The effects of sodium cyclamate on the activity and cytotoxicity of HRPECs.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Group** | **Mean±SEM (%)** |  **Comparing group  *P* value** |
| Cell activity (24h) |

|  |
| --- |
| Con |
| DMSO |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 1.107 ± 0.016 |
| 1.040 ± 0.027 |
| 0.787 ± 0.026 |
| 0.702 ± 0.027 |
| 0.379 ± 0.003 |
| 0.228 ± 0.007 |
| 0.196 ± 0.003 |

 |

|  |
| --- |
| Con vs DMSO |
| DMSO vs Cur |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.077 |
| 0.006 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.065 |
| 0.000 |
| 0.000 |
| 0.000 |

 |
| Cell activity (48h) |

|  |
| --- |
| Con |
| DMSO |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 1.669 ± 0.061 |
| 1.680 ± 0.026 |
| 1.563 ± 0.009 |
| 0.969 ± 0.077 |
| 0.404 ± 0.011 |
| 0.190 ± 0.002 |
| 0.178 ± 0.002 |

 |

|  |
| --- |
| Con vs DMSO |
| DMSO vs Cur |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.876 |
| 0.006 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |

 |
| Inhibition rate (24h) |

|  |
| --- |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 13.229 ± 0.829 |
| 27.172 ± 0.780 |
| 28.919 ± 0.540 |
| 30.581 ± 0.910 |
| 36.554 ± 0.419 |

 |

|  |
| --- |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |

 |
| Inhibition rate (48h) |

|  |
| --- |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 16.174 ± 0.310 |
| 28.413 ± 0.975 |
| 28.934 ± 0.764 |
| 32.410 ± 0.153 |
| 37.059 ± 0.216 |

 |

|  |
| --- |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |

 |

The effects of sodium cyclamate on apoptosis and necrosis of HRPECs

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Group** | **Mean±SEM (%)** |  **Comparing group  *P* value** |
| Apoptosis rate (24h) |

|  |
| --- |
| Con |
| DMSO |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 3.863 ± 0.669 |
| 4.414 ± 0.400 |
| 11.720 ± 0.165 |
| 4.271 ± 0.296 |
| 9.725 ± 0.580 |
| 29.950 ± 0.968 |
| 32.840 ± 6.615 |

 |

|  |
| --- |
| Con vs DMSO |
| DMSO vs Cur |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.518 |
| 0.000 |
| 0.607 |
| 0.003 |
| 0.000 |
| 0.012 |
| 0.000 |
| 0.030 |
| 0.000 |
| 0.013 |

 |
| Apoptosis rate (48h) |

|  |
| --- |
| Con |
| DMSO |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 6.449 ± 0.370 |
| 7.611 ± 0.315 |
| 13.22 ± 0.763 |
| 5.187 ± 0.552 |
| 12.180 ± 1.173 |
| 31.550 ± 4.388 |
| 35.850 ± 0.263 |

 |

|  |
| --- |
| Con vs DMSO |
| DMSO vs Cur |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.227 |
| 0.009 |
| 0.015 |
| 0.000 |
| 0.002 |
| 0.008 |
| 0.001 |
| 0.008 |
| 0.009 |
| 0.003 |

 |
| Necrosis rate (24h) |

|  |
| --- |
| Con |
| DMSO |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 0.127 ± 0.001 |
| 0.127 ± 0.001 |
| 1.411 ± 0.243 |
| 1.413 ± 0.311 |
| 2.962 ± 0.201 |
| 24.850 ± 3.528 |
| 25.310 ± 5.083 |

 |

|  |
| --- |
| Con vs DMSO |
| DMSO vs Cur |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.075 |
| 0.003 |
| 0.130 |
| 0.010 |
| 0.005 |
| 0.000 |
| 0.001 |
| 0.497 |
| 0.015 |
| 0.000 |

 |
| Necrosis rate (48h) |

|  |
| --- |
| Con |
| DMSO |
| Cur |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 0.133 ± 0.025 |
| 0.133 ± 0.025 |
| 4.167 ± 1.381 |
| 1.675 ± 0.159 |
| 3.485 ± 1.101 |
| 26.510 ± 4.733 |
| 27.010 ± 4.354 |

 |

|  |
| --- |
| Con vs DMSO |
| DMSO vs Cur |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Cur |
| S-100 vs Cur |
| S-150 vs Cur |
| S-200 vs Cur |

 |

|  |
| --- |
| 0.154 |
| 0.043 |
| 0.001 |
| 0.039 |
| 0.005 |
| 0.004 |
| 0.148 |
| 0.719 |
| 0.011 |
| 0.008 |

 |

|  |  |  |
| --- | --- | --- |
| **Group** | **Mean±SEM** |  **Comparing group  *P* value** |
|

|  |
| --- |
| Con |
| DMSO |
| Bev |
| S-50 |
| S-100 |
| S-150 |
| S-200 |

 |

|  |
| --- |
| 59.161 ± 2.126 |
| 60.348 ± 0.180 |
| 48.624 ± 0.637 |
| 33.697 ± 0.564 |
| 23.102 ± 0.361 |
| 0.000 ± 0.000 |
| 0.000 ± 0.000 |

 |

|  |
| --- |
| Con vs DMSO |
| Con vs Bev |
| S-50 vs Con |
| S-100 vs Con |
| S-150 vs Con |
| S-200 vs Con |
| S-50 vs Bev |
| S-100 vs Bev |
| S-150 vs Bev |
| S-200 vs Bev |

 |

|  |
| --- |
| 0.608 |
| 0.009 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |
| 0.000 |

 |

The effects of sodium cyclamate on migration rate of HRECs