**Tables** **S1-S7. Statistical analysis of cell viability assays in cancer cells upon BAT or Tau treatment for 24-72 hours.** Statistics show comparison of BAT and Tau treated groups with negative control (NC). Ns not significant, \*p<0.05, \*\* p<0.01, \*\*\*p<0.001, \*\*\*\*p<0.0001.

1. **RKO cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | ns | \* | \*\* | \*\* | \*\* | \*\* | \*\* | \*\* |
| 48 hours | \* | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |
| 72 hours | ns | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | ns | ns | ns | ns | \*\* | \*\* | \*\* |
| 48 hours | ns | ns | \* | ns | \*\*\*\* | \*\*\*\* | \*\*\*\* |
| 72 hours | ns | ns | ns | ns | \*\*\*\* | \*\*\*\* | \*\*\*\* |

1. **Caco2 cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | ns | ns | ns | \* | \*\* | \*\* | \*\* | \* |
| 48 hours | ns | ns | \*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\* |
| 72 hours | ns | ns | ns | \*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | ns | ns | \* | ns | ns | ns | \* |
| 48 hours | \*\*\* | \* | \* | \* | \*\* | \*\* | \*\*\*\* |
| 72 hours | ns | ns | ns | \* | ns | \* | \*\*\* |

1. **ΗΤ-29 cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | \*\* | \* | ns | ns | ns | \* | ns | \*\*\* |
| 48 hours | \* | \*\*\* | \*\*\*\* | \*\*\* | \*\*\*\* | \*\* | \* | \*\*\*\* |
| 72 hours | \* | \* | \*\*\*\* | \*\*\* | \*\*\* | \*\*\*\* | \*\* | \*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | ns | ns | ns | \*\* | ns | \* | \*\*\* |
| 48 hours | \* | \* | \* | \*\* | ns | ns | \*\*\* |
| 72 hours | \* | \*\*\*\* | \*\*\*\* | ns | \*\* | \*\*\*\* | \*\*\* |

1. **MDA-MB-468 cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | ns | \* | \*\* | \*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
| 48 hours | ns | ns | \* | \*\* | \*\* | \*\* | \*\*\* | \*\*\* |
| 72 hours | \* | \*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | ns | ns | ns | ns | ns | \* | \*\*\*\* |
| 48 hours | ns | ns | ns | ns | ns | ns | \*\*\*\* |
| 72 hours | \*\*\*\* | ns | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

1. **MDA-MB-231 cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | ns | ns | \* | \*\* | \*\* | \*\* | \*\* | \* |
| 48 hours | ns | ns | \*\* | \*\*\* | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\* |
| 72 hours | \* | \* | \*\*\*\* | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | ns | ns | ns | ns | ns | \* | \*\*\*\* |
| 48 hours | ns | ns | ns | ns | ns | ns | \*\*\*\* |
| 72 hours | \*\*\*\* | ns | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

1. **HeLa cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | ns | \*\* | \*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |
| 48 hours | \*\* | \*\* | \*\* | \*\*\* | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |
| 72 hours | ns | \*\* | \*\* | \*\* | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | ns | ns | ns | ns | ns | \*\*\* | \*\* |
| 48 hours | \*\* | \*\* | \*\*\* | \*\* | \* | \* | \*\*\* |
| 72 hours | \* | \* | ns | \* | ns | \*\*\* | \*\*\*\* |

1. **WM-164 cells**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bromamine T (BAT) | 0.5mM | 1mM | 1.75mM | 2.5mM | 3.25mM | 5mM | 10mM | CIS 0.166mM |
| 24 hours | \*\* | \* | ns | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\* |
| 48 hours | \* | ns | ns | \*\* | \*\* | \*\*\*\* | \*\*\*\* | \*\*\* |
| 72 hours | ns | ns | \*\*\*\* | \*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* | \*\*\*\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taurine (Tau) | 5mM | 10mM | 25mM | 50mM | 100mM | 200mM | CIS 0.166mM |
| 24 hours | \*\* | \* | \*\* | \*\* | \*\* | \*\* | \*\*\*\* |
| 48 hours | \* | ns | ns | ns | ns | \*\* | \*\*\*\* |
| 72 hours | ns | ns | ns | ns | ns | \*\*\* | \*\*\*\* |