| Figure | Panel | Group size | Test | Statistic | P values | Statistic 2 | P values 2 |
|---|---|---|---|---|---|---|---|
| 1 | e | Veh n = 9<br>$SST_{14}$ n = 10 | 2-way mixed ANOVA<br>(Condition x time) | Interaction:<br>F(2,682; 45, 600) = 5. 168 | p = 0.005 | | |
| | | | rmANOVA veh<br>rmANOVA $SST_{14}$ | F(3.118 ; 24.947) = 0.255<br>F(2.247 ; 20.222) = 7.046 | p = 0.864<br>p = 0.004 | Dunnett's multiple<br>comparisons | 25-30min p = 0.025<br>30-35min p = 0.023 |
| | | Cycl + SST n = 8<br>$SST_{14}$ n = 10 | 2-way mixed ANOVA<br>(Condition x time) | Interaction:<br>F(2.793; 44.692) = 10.638 | p < 0.0001 | | |
| | | | rmANOVA cyst+SST | F(3.151; 22.060) = 1.075 | p = 0.382 | | |
| | f | Veh n = 9<br>$SST_{14}$ n = 10 | Univariate analysis of<br>variance (30-35min) | F(1, 17) = 8.141 | p = 0.010 | | |
| | | Cycl + SST n = 8<br>$SST_{14}$ n = 10 | Univariate analysis of<br>variance (30-35min) | F(1, 16) = 12.984 | p = 0.002 | | |
| | | DMSO n = 7<br>Cycl n = 8<br>Cycl + SST n = 8 | 2-way mixed ANOVA<br>(Condition x time) | F(8.756; 87.563) = 0.814 | p = 0.0602 | | |
| | | | Main effect time<br>Main effect group | F(1,36; 23, 18) = 0.310<br>F(1, 17) = 0.672 | p = 0.653<br>p = 0.424 | | |
| | g | Veh n = 9<br>$SST_{14}$ n = 10 | 2-way mixed ANOVA<br>(Condition x time)<br>*Input resistance* | F(1,36; 23, 18) = 0.479 | p = 0.554 | | |
| 2 | d | DMSO n = 12<br>Cycl. n = 10 | 2-way mixed ANOVA<br>(condition x time) | Interaction<br>F(3.027 ; 60.546) = 5.849 | p = 0,001 | | |
| | | | rmANOVA Cycl<br>rmANOVA DMSO | F(3.008 ; 33.091) = 2.062<br>F(9, 63) = 7,636 p < 0.0001 | p = 0.124<br>p < 0.0001 | Dunnett's multiple<br>comparisons | 5-10min p = 0.040<br>10-15min p = 0.009<br>15-20min p = 0.006<br>20-25min p = 0.006<br>25-30min p = 0.002 |
| | e | DMSO n = 12<br>Cycl. n = 10 | Univariate analysis of<br>variance (25-30min) | F(1,20) = 19.330 | p = 0.0003 | | |
| 3 | a | Cyst. IP n = 3 mice<br>Veh n = 3 mice | Unpaired t –test | t(4) = 4.280 | p = 0.049 | | |

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| | b | Cyst. IP n = 11 Veh n = 11 | 2-way mixed ANOVA (condition x time) | $F(3.491; 69.829) = 12.118$ | $p < 0.0001$ | | |
| | | | rmANOVA Cyst IP | $F(2.946; 29.458) = 7.859$ | $p = 0.001$ | Dunnett's multiple comparisons | 15-20min p = 0.04 20-25min p = 0.03 25-30min p = 0.005 |
| | | | rmANOVA Veh | $F(3.040; 30.401) = 6.013$ | $p = 0.002$ | Dunnett's multiple comparisons | 15-20min p = 0.028 20-25min p = 0.016 25-30min p = 0.0007 |
| | c | Cyst. IP n = 11 Veh n = 11 | Univariate analysis of variance (25-30min) | $F(1,20) = 61.005$ | $p < 0.0001$ | | |
| | d | Cyst acute n = 4 mice Veh n = 4 mice | Unpaired t –test | $t(18) = 2.367$ | $p = 0.029$ | | |
| | e | Cyst acute n = 9 Veh = 12 | 2-way mixed ANOVA (condition x time) | $F(3.272; 62.165) = 4.042$ | $p = 0.009$ | | |
| | | | rmANOVA Cyst acute | $F(3.201; 35.215) = 2.242$ | $p = 0.097$ | | |
| | | | rmANOVA Veh | $F(6, 48) = 2.504$ | $p = 0.035$ | Dunnett's multiple comparisons | 10-15min p = 0.027 15-20min p = 0.008 25-30min p = 0.027 |
| | f | Cyst acute n = 9 Veh = 12 | Univariate analysis of variance (25-30min) | $F(1,19) = 22.789$ | $p = 0.0001$ | | |
| 4 | a | SST$_{14}$ n = 7 SST$_{14}$ + n = 8 DL-APV | 2-way mixed ANOVA (condition x time) | $F(7, 91) = 0.567$ | $p = 0.781$ | | |
| | | | Main effect of time | $F(7, 91) = 8.214$ | $p < 0.0001$ | Bonferroni's multiple comparisons | 30-35min p = 0.016 |
| | | | Main effect of group | $F(1, 13) = 0.066$ | $p = 0.865$ | | |
| | c | SST$_{14}$ n = 9 SST$_{14}$ + n = 10 LY367385 | 2-way mixed ANOVA (condition x time) | $F(3.191; 54.251) = 0.546$ | $p = 0.664$ | | |
| | | | Main effect of time | $F(3.191; 54.251) = 11.313$ | $p < 0.0001$ | Bonferroni's multiple comparisons | 25-30min p = 0.004 30-35min p = 0.005 |
| | | | Main effect of group | $F(1,17) = 0.030$ | $p = 0.863$ | | |
| | e | SST$_{14}$ n = 16 | Paired t-Test | $t(14) = 0.642$ | $p = 0.531$ | | |
| 5 | c | Veh n = 9 | 2-way mixed ANOVA | $F(2.861; 48.637) = 1.390$ | $p = 0.258$ | | |

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| | | SST$_{14}$ n = 10 | (condition x time) | | | | |
| | | | Main effect of time | F(2.861; 48.637) = 5.176 | p = 0.004 | Bonferroni's multiple comparisons | 25-30min p = 0.029 |
| | | | Main effect of group | F(1, 17) = 2.153 | p = 0.161 | | |
| 6 | d | Veh n = 10 SST$_{14}$ n = 9 | 2-way mixed ANOVA (condition x time) *PV-INs* | F(2.557 ; 43.471) = 1.969 | p = 0.141 | | |
| | | | Main effect of group | F(1, 17) = 0.510 | p = 0.485 | | |
| | | | Main effect of time | F(2.557; 43.471) = 9.503 | p = 0.0001 | Bonferroni's multiple comparisons | 10-15min p = 0.029 15-20min p = 0.027 20-25min p = 0.042 25-30min p = 0.021 30-35min p = 0.010 |
| | g | Veh n = 8 SST$_{14}$ n = 8 | 2-way mixed ANOVA (condition x time) *PCs* | F(7, 98) = 0.905 | p = 0.506 | | |
| | | | Main effect of time | F(7, 98) = 1.017 | p = 0.424 | | |
| | | | Main effect of group | F(1, 14) = 0.945 | p = 0.348 | | |
| 7 | c | Veh n = 11 SST$_{14}$ n = 10 | 2-way mixed ANOVA (condition x time) | F(3.058; 58.106) = 0.829 | p = 0.485 | | |
| | | | Main effect of time | F(3.058; 58.106) = 1.305 | p = 0.281 | | |
| | | | Main effect of group | F(1,19) = 3.332 | p = 0.084 | | |
| | f | DMSO n = 8 Cycl. n = 10 | 2-way mixed ANOVA (condition x time) | F(3.838; 61.402) = 1.021 | p = 0.402 | | |
| | | | Main effect of time | F(3.838; 61.402) = 11.851 | p < 0.0001 | Bonferroni's multiple comparisons | 20-25min p = 0.019 25-30min p = 0.017 |
| | | | Main effect of group | F(1, 16) = 1.247 | p = 0.281 | | |
| 8 | d | SST$_{14}$ n = 10 SST$_{14}$ + CA3 cut n = 11 SST$_{14}$ + CA3 cut | **SST$_{14}$ vs SST$_{14}$ + CA3 cut + Gabazine** 2-way mixed ANOVA (condition x time) | F(2.729; 51.845) = 7.071 | p = 0.001 | | |

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| | + Gabazine n = 11 | rmANOVA SST$_{14}$<br>rmANOVA SST$_{14}$, $\varnothing$ $_{CA3}$ + Gabazine | F(2.425 ; 21.828) = 8.641<br>F(2.529 ; 25.293) = 0.974 | p = 0.001<br>p = 0.498 | Dunnett's multiple comparisons | 0-5min p = 0.008<br>5-10min p = 0.023<br>10-15min p = 0.033<br>15-20min p = 0.033<br>20-25min p = 0.009<br>25-30min p = 0.007<br>30-35min p = 0.009 |
| | | **SST$_{14}$ + CA3 cut vs SST$_{14}$ + CA3 cut + Gabazine**<br>2-way mixed ANOVA (condition x time) | F(3.395; 67.906) = 6.371 | p = 0.0004 | | |
| | | rmANOVA SST$_{14}$ + cut CA3 | F(3.280; 32. 803) = 9.814 | p < 0.0001 | Dunnett's multiple comparisons | 10-15min p = 0.023<br>15-20min p = 0.046<br>20-25min p = 0.027<br>25-30min p = 0.003<br>30-35min p = 0.004 |
| **e** | SST$_{14}$ n = 10<br>SST$_{14}$, $\varnothing$ $_{CA3}$ + Gabazine n = 11 | Univariate analysis of variance (30-35min) | F(1, 19) = 16.828 | p = 0.001 | | |
| | SST$_{14}$, $\varnothing$ $_{CA3}$ n = 11<br>SST$_{14}$, $\varnothing$ $_{CA3}$ + Gabazine n = 11 | Univariate analysis of variance (30-35min) | F(1,22) = 16.133 | p = 0.001 | | |