Supplemental Table 1. Analgesic activity of conotoxins 5P1 and 5P2, as determined by the hot-plate test, in mice (± s).



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| group | pain threshold (s) | | | | |
| 15min | 30min | 60min | 120min | 180min |
| control | 15.39±5.03 | 15.09±7.35 | 16.81±7.94 | 17.35±5.37 | 21.91±4.93 |
| morpholine 1mg/kg | 17.19±2.22 | 41.80±4.58\*\* | 50.41±6.59\*\* | 50.82±4.35\*\* | 47.11±4.04\*\* |
| 5P1 10μg/kg | 16.17±2.49 | 23.16±3.80\*\* | 34.18±2.35\*\* | 37.19±7.31\*\* | 33.51±4.66\*\* |
| 5P1 20μg/kg | 16.22±1.87 | 22.88±5.93\*\* | 37.29±2.85\*\* | 39.73±10.84\*\* | 38.97±8.06\*\* |
| 5P1 40μg/kg | 16.77±2.86 | 28.36±4.73\*\* | 38.64±1.69\*\* | 44.87±6.09\*\* | 43.77±6.03\*\* |
| 5P2 10μg/kg | 16.08±2.71 | 23.19±5.92\*\* | 38.90±10.09\*\* | 38.47±6.59\*\* | 32.94±3.19\*\* |
| 5P2 20μg/kg | 17.78±2.38 | 22.98±5.32\*\* | 40.82±5.59\*\* | 43.35±5.92\*\* | 39.24±7.81\*\* |
| 5P2 40μg/kg | 18.85±3.01 | 29.39±4.35\*\* | 45.06±5.62\*\* | 48.90±6.55\*\* | 44.71±6.37\*\* |

\* p<0.05 vs the control group, \*\* p<0.01 vs the control group

Supplemental Table 2. Analgesic activity of conotoxins 5P1 and 5P2, as determined by the tail-flick test (± s).



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| group | pain threshold (s) | | | | |
| 15min | 30min | 60min | 120min | 180min |
| control | 1.13±0.36 | 1.37±0.40 | 1.19±0.46 | 1.23±0.38 | 1.33±0.44 |
| 5P1 10μg/kg | 1.53±0.27\*\* | 1.93±0.27\*\* | 2.46±0.39\*\* | 2.79±0.53\*\* | 2.77±0.59\*\* |
| 5P1 20μg/kg | 1.80±0.27\*\* | 2.22±0.29\*\* | 3.37±0.58\*\* | 3.34±0.35\*\* | 3.10±0.42\*\* |
| 5P1 40μg/kg | 1.91±0.20\*\* | 2.32±0.17\*\* | 4.08±0.53\*\* | 3.87±0.33\*\* | 3.59±0.89\*\* |
| 5P2 10μg/kg | 1.77±0.18\*\* | 2.17±0.18\*\* | 2.45±0.65\*\* | 2.51±0.75\*\* | 2.27±0.46\*\* |
| 5P2 20μg/kg | 1.81±0.24\*\* | 2.26±0.23\*\* | 3.12±0.88\*\* | 3.06±0.87\*\* | 2.92±0.45\*\* |
| 5P2 40μg/kg | 2.00±0.20\*\* | 2.45±0.18\*\* | 4.05±0.28\*\* | 3.90±0.76\*\* | 3.57±0.48\*\* |

\* p<0.05 vs the control group, \*\* p<0.01 vs the control group