**Substance:** PCAP2 + Apo 0.5 uM

**Date:** 160414

**Zebrafish DOB:** 160404 (10 dpf)

**Tank: 4**

**Aim:** Response PCAP2

**Volume in wells:** 1.0 mL

**Stock PCAP2:**

**500 uM**

**150 uM (333 uL+667 uL E3)**

**50 uM (100 uL + 900 uL E3)**

**Stock Apo:**

**2.5 mM stock, Added 20 uL of this solution**

Add 20 uL

**Control:** 20 uL E3

Plate 1:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| A | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM |
| B | Control | Control | Control | Control | Control | Control |
| C | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM |
| D | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM |

Plate 2:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| E | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM | PCAP2 10uM |
| F | Control | Control | Control | Control | Control | Control |
| G | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM | PCAP2 1uM |
| H | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM | PCAP2 3 uM |

File

No adaption Add Clozapine directly

Record during 13x5 min in light conditions

|  |  |  |
| --- | --- | --- |
| 0 | light | 114641 |
| 5 | light | 115143 |
| 10 | light | 115644 |
| 15 | light | 120146 |
| 20 | light | 120647 |
| 25 | light | 121149 |
| 30 | light | 121650 |
| 35 | light | 122152 |
| 40 | light | 122653 |
| 45 | light | 123155 |
| 50 | light | 123656 |
| 55 | light | 124158 |
| 60 | light | 124659 |

Added Apomorphine (0.5 uM final concentration) to all wells .

|  |  |  |
| --- | --- | --- |
| 0 | Dark | 130627 |
| 5 | Dark | 131129 |
| 10 | Dark | 131631 |
| 15 | Dark | 132133 |
| 20 | Dark | 132635 |
| 25 | Dark | 133137 |
| 30 | Dark | 133639 |
| 35 | Dark | 134141 |
| 40 | Dark | 134643 |
| 45 | Dark | 135145 |
| 50 | Dark | 135647 |
| 55 | Dark | 140150 |
| 60 | Dark | 140652 |

Videofiles on backup

**Other conditions:** Cover blanket,

Exposure: 1370 µsec, 300 s per recording

Thermostat: 31.5°C

Water temperature: in bath: 30.5°C in wells: 28.0°C

After experiment: all larvae terminated on ice