**Substance:** Aripiprazol (Aripip)

**Date:** 160816

**Zebrafish DOB:** 160806 (10 dpf)

**Aim:** Dose response Aripiprazol/ light/dark

**Volume in wells:** 0.5 ml + 0.5 ml

**Stock Aripiprazole solution:** 10 mM in DMSO

**Dilute to:** **20 µM** (40 µl 10 mM Aripiprazole + 19.960 ml E3)

**6 µM** (3 ml 20 µM Aripiprazole + 7 ml E3)

**2 µM** (1 ml 20 µM Aripiprazole + 9 ml E3)

**10 µM Aripiprazole:** (0.5 ml 20 µM Aripiprazole) / **3 µM Aripiprazole:** (0.5 ml 6 µM Aripiprazole) / **1 µM Aripiprazole:** (0.5 ml 2 µM Aripiprazole)

**Control:** 0.5 ml 0.2% DMSO/E3 (0.1% in wells)

**PTZ solution:** 50 mM in E3 (50 µl to each well)

Plate 1:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| A | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM |
| B | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM |
| C | Control | Control | Control | Control | Control | Control |
| D | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM |

Plate 2:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| E | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM | Aripip 3 µM |
| F | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM | Aripip 10 µM |
| G | Control | Control | Control | Control | Control | Control |
| H | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM | Aripip 1 µM |

File

**Add Aripiprazol**

**Record during 13x5 min in light/dark**

After 0 min: recording during 5 min (light)

After 5 min: recording during 5 min (light)

After 10 min: recording during 5 min (dark)

After 15 min: recording during 5 min (dark)

After 20 min: recording during 5 min (light)

After 25 min: recording during 5 min (light)

After 30 min: recording during 5 min (dark)

After 35 min: recording during 5 min (dark)

After 40 min: recording during 5 min (light)

After 45 min: recording during 5 min (light)

After 50 min: recording during 5 min (dark)

After 55 min: recording during 5 min (dark)

After 60 min: recording during 5 min (light)

**Add PTZ (2.5 mM) to all wells**

**Record during 13x5 min in total darkness**

After 0 min: recording during 5 min

After 5 min: recording during 5 min

After 10 min: recording during 5 min

After 15 min: recording during 5 min

After 20 min: recording during 5 min

After 25 min: recording during 5 min

After 30 min: recording during 5 min

After 35 min: recording during 5 min

After 40 min: recording during 5 min

After 45 min: recording during 5 min

After 50 min: recording during 5 min

After 55 min: recording during 5 min

After 60 min: recording during 5 min

**Other conditions:** Cover blanket, light on/off

Exposure: 1320 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