

Different Effects of SSRIs, Bupropion, and Trazodone on Mitochondrial Functions and Monoamine Oxidase Isoform Activity

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Content:

- The effect of antidepressants on citrate synthase (CS) and malate dehydrogenase (MDH) activities (Table S1)

Table S1: The effect of antidepressants on citrate synthase (CS) and malate dehydrogenase (MDH) activities

| drug | concentration | CS (% of control) | N | MDH (% of control) | N |
|--------------|---------------|----------------------|---|-----------------------|---|
| bupropion | 10 μ M | *105.6 \pm 1.29 | 3 | 99.2 \pm 2.90 | 3 |
| bupropion | 100 μ M | 99.5 \pm 0.93 | 3 | 99.6 \pm 2.72 | 3 |
| escitalopram | 10 μ M | 102.4 \pm 3.60 | 3 | 98.0 \pm 6.10 | 3 |
| escitalopram | 100 μ M | *97.2 \pm 1.52 | 3 | 99.6 \pm 2.64 | 3 |
| fluvoxamine | 10 μ M | *106.3 \pm 1.22 | 3 | 99.9 \pm 0.77 | 3 |
| fluvoxamine | 100 μ M | 100.5 \pm 1.23 | 3 | 98.3 \pm 2.86 | 3 |
| paroxetine | 10 μ M | *105.8 \pm 1.69 | 3 | 100.1 \pm 2.22 | 3 |
| paroxetine | 100 μ M | *98.4 \pm 0.85 | 3 | 97.9 \pm 1.71 | 3 |
| sertraline | 10 μ M | *105.2 \pm 1.99 | 3 | 99.2 \pm 2.90 | 3 |
| sertraline | 100 μ M | 97.9 \pm 1.83 | 3 | 97.8 \pm 6.35 | 3 |
| trazodone | 10 μ M | 109.0 \pm 6.02 | 3 | 99.2 \pm 2.90 | 3 |
| trazodone | 100 μ M | **96.0 \pm 0.80 | 3 | 99.0 \pm 1.62 | 3 |

The values are expressed as the mean \pm SD for 3 independent measurements. Statistical significance was tested using a one sample *t*-test that mean value is equal to 100% and is expressed as **p* < 0.05.

***p* < 0.01. N is number of measurements.