Appendix A:

Solution and drugs

To perform the CRC curves the following mediums were used: Tyrode's solution (composition in mmol/L: 150 NaCl, 2.7 KCl, 2 $MgCl_2$, 12 $NaHCO_3$, 0.4 PO_4H_2Na, 5.5 D-glucose, pH 8.2 with 1.8 $CaCl_2$ for intestine or 2.5 $CaCl_2$ for bladder;[35] or de Jalon's solution for uterus (composition in mM: 9.0 NaCl, 0.5 $NaHCO_3$, 0.5 D-glucose, 0.4 KCl, 0.1 $CaCl_2$); Ca^{2+}-free solution or Ca^{2+}-free de Jalon's solution by eliminating $CaCl_2$ and then the tissues were depolarized with 40 mmol/L of K^+.[19]

The following agonists were prepared in a series of concentrations (1, 2, 7, 20, 70, 200, 700 and 1000 µg/ml in water): carbachol (Sigma-Aldrich, USA), histamine (Sigma-Aldrich, USA), serotonin (Sigma-Aldrich, USA. The Oxt-CRC was prepared in a series of concentrations (1, 2, 7, 20, 70 and 200 µg/ml of oxytocin [Biol, Argentina] in water). The Ca^{2+}-CRC was prepared in a series of concentrations (0.882, 1.764, 5.3, 18.5, 53, 185.22 and 530 mg/ml of $CaCl_2$ anhydrous [Mallinckrodt, Germany] in water).

The drugs employed in the biological tests were diazepam (Roche, Argentina) 0.3 mg/kg and 1 mg/kg for NFT and OFT, respectively; flumazenil (Fzl, Richmond, Argentina); rutin (Sigma-Aldrich, USA) and clomipramine (Sandoz, Argentina). Standards used in HPLC were rutin (Sigma-Aldrich, USA) and isoquercetin (Sigma-Aldrich, USA).

Figure and tables captions of supplementary data

Fig A.1. Chromatographic profile in a non-polar column of the essential oil of *Schinus lentiscifolius*. Major compounds identified a = δ-cadinene, b = d-limonene, c = 1-epi-cubenol, d = α-copaene, e = spathulenol.

Fig. A.2. Effects of *Schinus lentiscifolius* extracts (SchW, SchT and SchO) in comparison with the respective vehicle and diazepam (in a, b and c), rutin (a), and flumazenil (a, b, c) on home-cage food consumption (mg) in novelty-suppressed feed test. One-way ANOVA: $P < 0.001$ (Table A.8). *A posteriori* Tukey´s test: $^{*}p < 0.05$ vs vehicle, $^{\#}p < 0.05$ vs diazepam, $^{@}p<0.05$ vs flumazenil. (n = 6-10 as indicated in each group).

Table A.1. Exploratory behavior of mice measured as number of rearing in 5 min produced by *Schinus lentiscifolius* extracts.

Table A.2. Emotional behavior of mice measured **as** number of grooming in 5 min produced by *Schinus lentiscifolius* extracts.

Table A.3. Results of two-way ANOVA obtained from data in Figure 2, parts a, b, c, d, e and f. The results of a *posteriori* Tukey´s test are shown in the respective figure.

Table A.4. Results of two-way ANOVA obtained from data in Figure 3, parts a, b, and c. The results of a *posteriori* Tukey´s test are shown in the respective figure.

Table A.5. Results of one-way ANOVA obtained from data in Figure 4, parts a, b, and c. The results of a *posteriori* Tukey´s test are shown in the respective figure.

Table A.6. Results of one-way ANOVA obtained from data in Figure 5, parts a, b, and c. The results of a *posteriori* Tukey´s test are shown in the respective figure.

Table A.7. Results of one-way ANOVA obtained from data in Figure 6, parts a and b. The results of a *posteriori* Tukey´s test are shown in the respective figure.

Table A.8: Results of one-way ANOVA obtained from data in Figure A.2, parts a and b. The results of a *posteriori* Tukey´s test are shown in the respective figure.