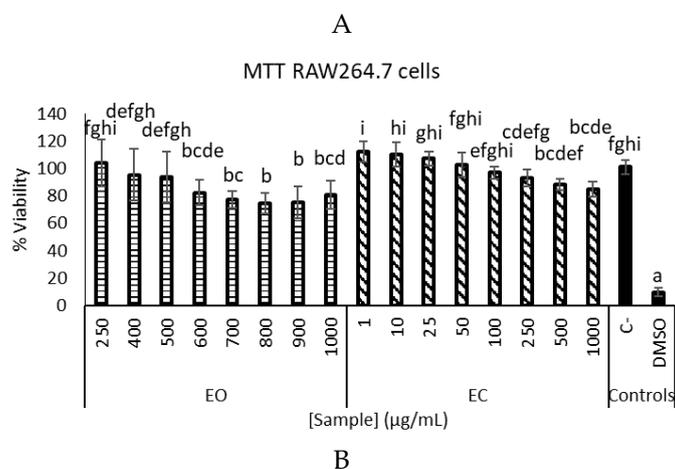
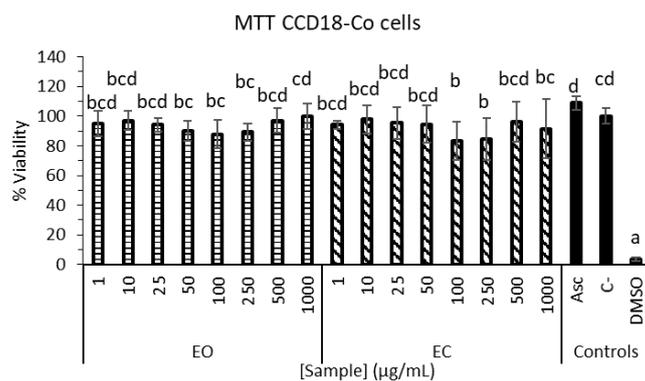


## Cell viability (MTT assay)

Ninety six-well plates were used seeding 10.000 CCD-18Co and 80.000 RAW264.7 cells/well. After seeding, the cells were incubated in the same conditions as stated above for 24 h, till cell-confluence was achieved. Then, cells were incubated with different concentrations of the extracts (1, 10, 25, 50, 100, 250, 500 and 1000  $\mu\text{g}/\text{mL}$ ) for 24 hours (150  $\mu\text{L}$ ). When time was completed, 20  $\mu\text{L}$  of MTT (6 mM) reagent was added to each well of the 96-well plate and, the plate with CCD-18Co cells was incubated for 3 hours and the plate with RAW264.7 cells was incubated for 30 minutes. After the incubation, supernatants were removed from the cells and 100  $\mu\text{L}$  of DMSO was added to each well, followed by 5 minutes' incubation time allowing better homogenization, and absorbance at 570 nm was measured. Viability percentage was calculated by taking the absorbance value of the control (DMEM) as 100 %.

Prior to the analysis of antioxidant and anti-inflammatory properties, cell viability on CCD-18Co and RAW 264.7 cells was assessed at different concentrations of Clemenule and Ortanique extracts (EC and EO, respectively) (**Figure S1**). The viability for CCD-18Co and RAW 264.7 cells was greater than 80% of the negative control (C-) for the tested concentrations of the extracts as well as for ascorbic acid (Asc) on CCD18-Co cells. Nevertheless, the highest concentrations (from 500  $\mu\text{g}/\text{mL}$ ) of the extracts represented a greater decrease on RAW 264.7 cells viability than on CCD-18Co cells. As to RAW264.7 cells, Nakajima et al. [61] found that the cell viability of RAW264.7 murine macrophages was not affected at concentrations 0.01-1.00 mg/mL when incubated with citrus residue extracts.





**Figure S1.** Cell viability of RAW264.7 and CCD-18Co cells by MTT assay. EC (Clemenule extract), EO (Ortanique extract) and controls were tested. Negative control (C-) consisted of medium without FBS, positive control (DMSO) consisted of DMSO 50 % in medium without FBS, and ascorbic acid (Asc) in a concentration of 10 µg/mL. Bars and error bars represent the mean values and standard deviation, respectively. Different letters state significant differences by Tukey test ( $p < 0.05$ ). All determinations were performed in triplicate in three different cell passages.

Nakajima, V.M.; Moala, T.; Caria, C.R. e P.; Moura, C.S.; Amaya-Farfan, J.; Gambero, A.; Macedo, G.A.; Macedo, J.A. Biotransformed Citrus Extract as a Source of Anti-Inflammatory Polyphenols: Effects in Macrophages and Adipocytes. *Food Res. Int.* 2017, 97, 37–44, doi:10.1016/j.foodres.2017.03.034.