

Figure S1. Main oxysterols derived from cholesterol autoxidation present in the diet.

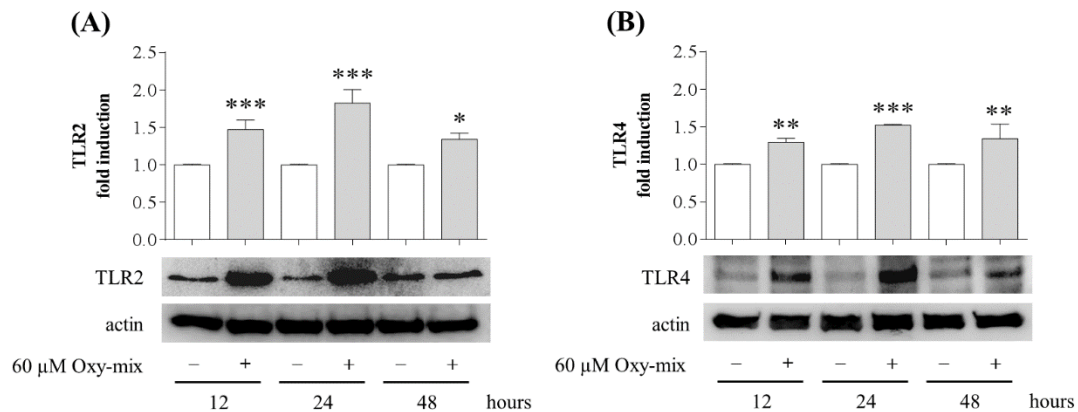


Figure S2. Oxy-mix induces TLR2 and TLR4 protein levels. TLR2 (panel A) and TLR4 (panel B) proteins were evaluated through Western Blotting in differentiated CaCo-2 cells treated with 60 μM Oxy-mix for 12, 24 or 48 hours. Data are reported as means \pm SD of three experiments. One-way analysis of variance (ANOVA) associated with Bonferroni's multiple comparison post-test was adopted: significantly different vs. control (untreated cells): * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.

Table S1. Cytotoxic effects of Honduras CBS fractions with or w/o oxysterol cell treatments.

	LDH Cell Release (%)	
	---	60 μM Oxy-Mix
---	7 \pm 2.3	9.2 \pm 4.3
10 $\mu\text{g/mL}$ HF1	6.9 \pm 1.9	9 \pm 1.6
25 $\mu\text{g/mL}$ HF1	9.3 \pm 1.6	20 \pm 3.9 [#]
50 $\mu\text{g/mL}$ HF1	28.9 \pm 9.5 ***	25 \pm 8.5 ***;##
10 $\mu\text{g/mL}$ HF2	11.2 \pm 2.8	18.8 \pm 2.8
25 $\mu\text{g/mL}$ HF2	16.2 \pm 8.4	19.1 \pm 6.1
50 $\mu\text{g/mL}$ HF2	15.3 \pm 11.1	16.8 \pm 2.5

10 µg/mL HF3	6.1 ± 1.3	6.5 ± 1.6
25 µg/mL HF3	7 ± 1.7	7.5 ± 0.6
50 µg/mL HF3	17.1 ± 2.1	10.3 ± 6.1
10 µg/mL HF4	12.6 ± 3.6	11.3 ± 2.5
25 µg/mL HF4	16.6 ± 3.7	16.7 ± 2.1
50 µg/mL HF4	18.1 ± 2.4	17.8 ± 1.4

Cytotoxicity was evaluated as percentage of lactate dehydrogenase (LDH) total release into cell medium. Differentiated CaCo-2 cells were pretreated with 10, 25 or 50 µg/ml Honduras fractions (HF) for 1 hour and treated with 60 µM Oxy-mix for 24 hours. Data are reported as means ± SD of three experiments performed in quadruplicate. One-way analysis of variance (ANOVA) associated with Bonferroni's multiple comparison post-test was adopted: significantly different vs. control (untreated cells): *** $p < 0.001$; significantly different vs. Oxy-mix: # $p < 0.05$, ## $p < 0.01$.