



(a)

(b)

Figure S1. Cell viability of (a) IEC-6, (b) CCD-18Co and RAW264.7 cells by MTT assay. Hydroalcoholic-acid extract (EHAA) and its digestion (DEHAA) were tested. Negative control (C-), medium without FBS and DMSO 50 %, was the positive control. Bars and error bars represent the mean values and standard deviation, respectively. Different letters state significant differences by Tukey test ($p < 0.05$).

Table S1. Tannat grape skin hydro-alcoholic-acid extract bioactive properties on cellular models.

Extract ($\mu\text{g/mL}$)	Assays		
	<i>Antioxidant properties</i>		
Intracellular ROS formation in CCD-18Co cells (%)			
	Physiological conditions	Induced by t-BOOH (1 mM)	
		Prevention	Prevention with co-administration
0	100.0 \pm 6.3 ^{cA}	151.0 \pm 12.7 ^{cB}	178.0 \pm 7.0 ^{cC}
100	41.5 \pm 8.4 ^{bA}	94.5 \pm 16.8 ^{abB}	115.8 \pm 11.9 ^{bC}
250	27.4 \pm 6.4 ^{aA}	78.8 \pm 13.1 ^{aB}	96.8 \pm 9.0 ^{bC}
500	24.6 \pm 8.6 ^{aA}	96.2 \pm 9.0 ^{abC}	65.5 \pm 16.2 ^{aB}
1000	24.4 \pm 7.7 ^{aA}	113.6 \pm 26.6 ^{bC}	59.7 \pm 16.3 ^{aB}
Intracellular ROS formation in RAW 264.7 cells (%)			
	Physiological conditions	Induced by t-BOOH (1 mM)	
		Prevention	Prevention with co-administration
0	100.0 \pm 8.3 ^{cA}	211.4 \pm 44.4 ^{bB}	211.4 \pm 44.4 ^{bB}
100	38.9 \pm 8.3 ^{bA}	203.7 \pm 23.6 ^{abB}	59.0 \pm 11.2 ^{aA}
250	18.0 \pm 2.9 ^{aA}	167.7 \pm 20.0 ^{bC}	44.2 \pm 11.1 ^{aB}
500	13.0 \pm 2.7 ^{aA}	158.7 \pm 26.8 ^{bC}	38.3 \pm 12.3 ^{aB}
1000	14.3 \pm 3.8 ^{aA}	176.6 \pm 10.8 ^{bB}	23.6 \pm 1.6 ^{aA}
<i>Anti-inflammatory properties</i>			
	($\mu\text{g/mL}$ of NO formation in RAW 264.7 cells induced by LPS 1 $\mu\text{g/mL}$)		
	Prevention	Prevention with co-administration	
0	9.9 \pm 0.8 ^{dA}	9.9 \pm 0.8 ^{cA}	
250	8.3 \pm 0.7 ^{cA}	9.6 \pm 0.9 ^{cB}	
500	5.8 \pm 0.7 ^{bA}	7.6 \pm 0.2 ^{bB}	
800	2.9 \pm 0.5 ^{aA}	2.4 \pm 0.3 ^{aA}	
1000	2.4 \pm 0.4 ^{aA}	2.7 \pm 0.3 ^{aA}	

Results are expressed as mean values \pm SD (n=3). Different letters indicate significant differences (Tukey test, $p < 0.05$) between values in the same column (in lower case) or in the same row (capital letters). All determinations were performed in triplicate in three different cell passages.