

Supplementary Materials

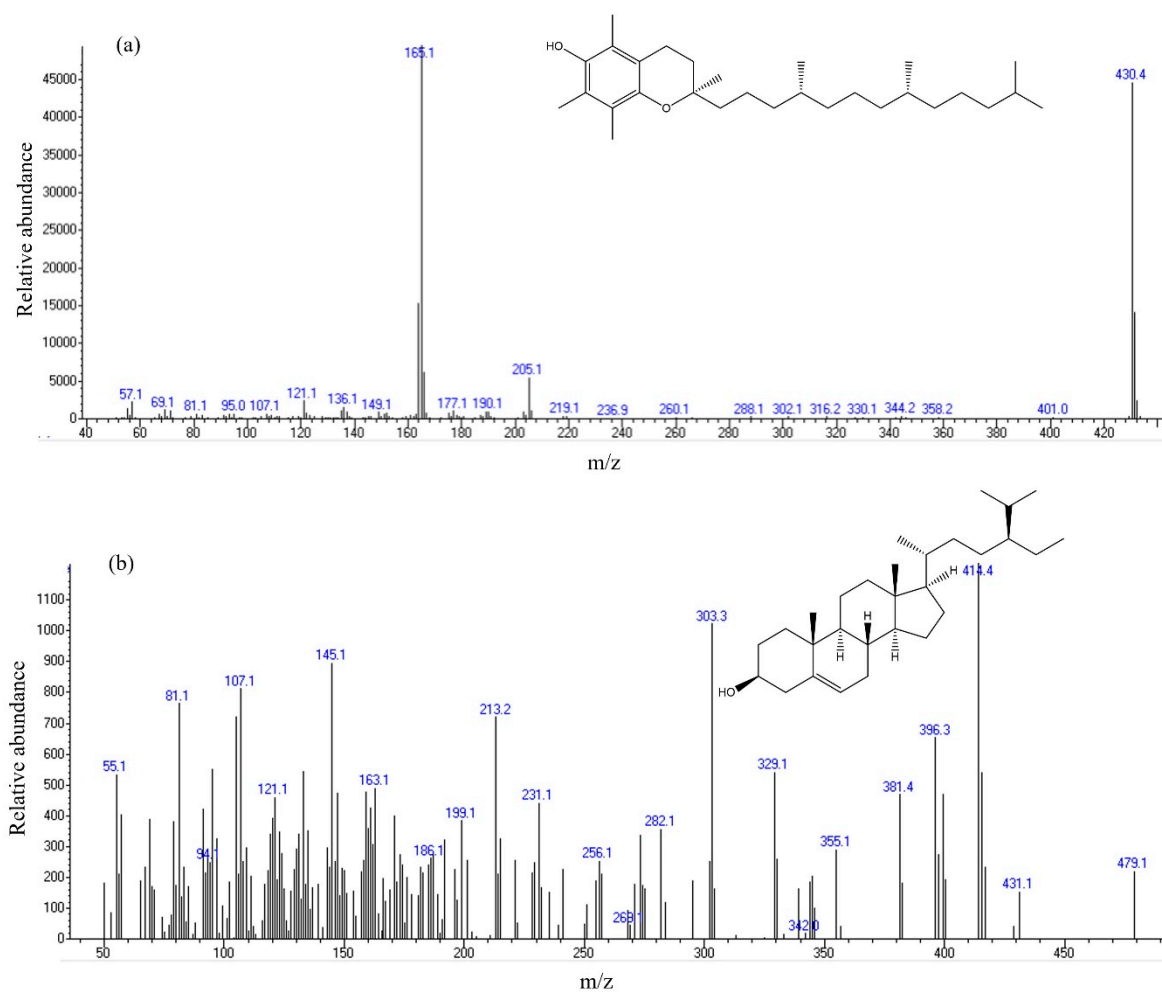


Figure S1. Mass spectra and chemical structure of α -tocopherol (a) and β -sitosterol (b).

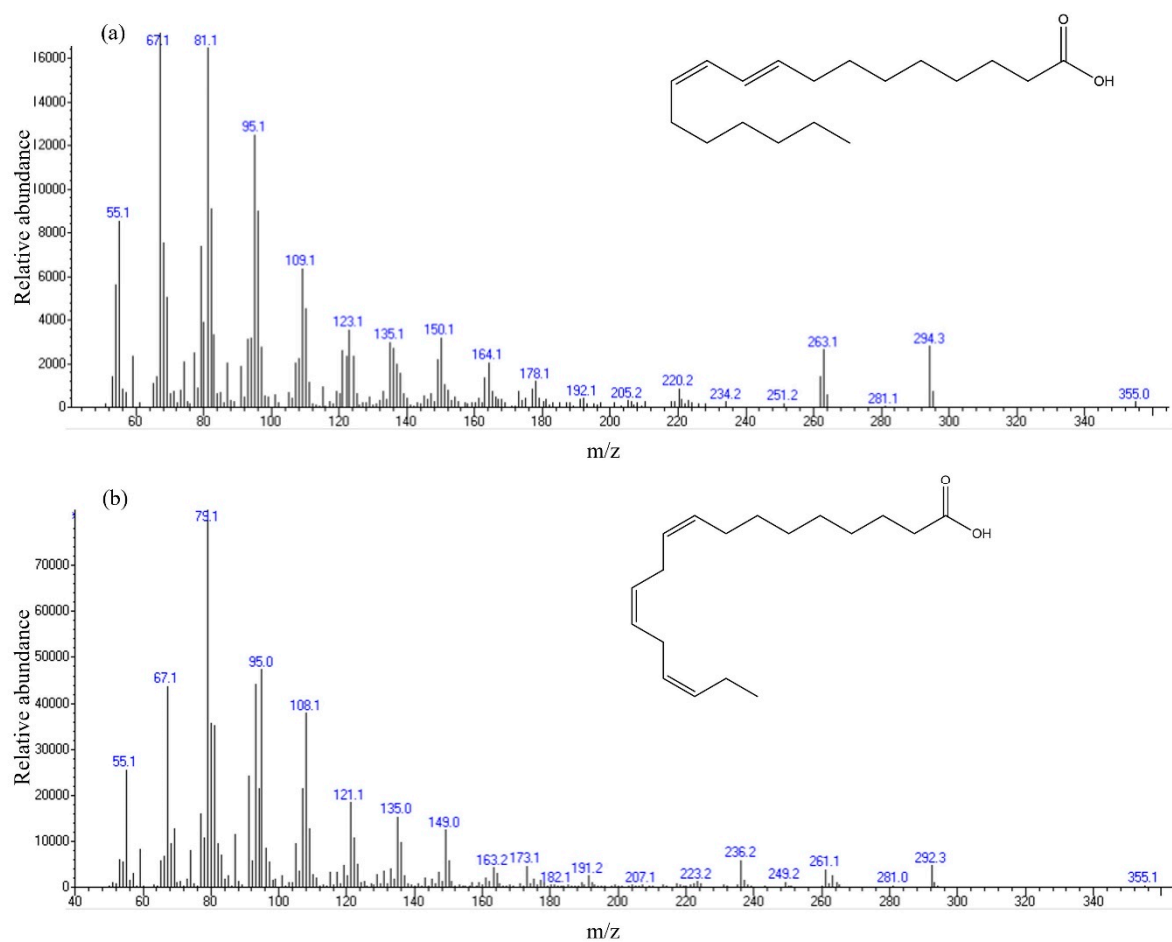


Figure S2. Mass spectra and chemical structure of linoleic acid (a) and linolenic acid (b).

Table S1. Detailed quantified profile of the methanolic extracts obtained from *A. chilensis* leaves ($\mu\text{g g}^{-1}$ DW). Different letters in the same row indicate significant differences according to Tukey's test ($p \leq 0.05$).

	Compounds	AP S	BS S	AP W	BS W	IVITRO
Peak	Galloyl acids derivatives					
1	Galloyl-hexoside	250.23 \pm 10.35c	400.36 \pm 8.21b	145.39 \pm 4.40d	68.16 \pm 6.12e	2135.17 \pm 144.39a
2	Galloyl quinic acid	309.80 \pm 9.95b	265.36 \pm 5.21c	119.93 \pm 2.07d	83.09 \pm 2.36d	1571.63 \pm 148.94a
4	Di-galloyl quinic acid	217.74 \pm 6.25c	338.80 \pm 3.32b	135.64 \pm 3.00d	211.09 \pm 6.46c	880.93 \pm 99.31a
	Caffeoyl quinic acids					
3	3-caffeoyl quinic acid	64.89 \pm 0.57b	58.32 \pm 1.29b	15.36 \pm 0.14c	5.04 \pm 0.05c	791.28 \pm 20.87a
5	4-caffeoyl quinic acid	24.78 \pm 0.40c	29.51 \pm 0.15b	6.21 \pm 0.02d	1.86 \pm 0.08e	44.73 \pm 0.95a
	Ellagitannins					
6	Ellagitannin	125.02 \pm 5.06c	148.91 \pm 1.15b	20.06 \pm 0.23d	19.19 \pm 0.34d	273.34 \pm 24.98a
7	Granatin B	1644.52 \pm 33.88b	1338.17 \pm 18.10c	563.66 \pm 5.93d	465.13 \pm 13.07e	1824.00 \pm 65.61a
8	Ellagitannin	1537.27 \pm 14.89c	1868.62 \pm 20.83b	472.17 \pm 4.22d	431.01 \pm 4.96d	2444.44 \pm 74.18a
	Ellagic acid derivatives					
9	Ellagic acid-Hexoside	14.05 \pm 0.31b	11.29 \pm 1.42c	2.82 \pm 0.01d	2.10 \pm 0.01d	18.61 \pm 0.91a
10	Ellagic acid-Pentoside		11.69 \pm 0.28b			42.96 \pm 3.78a
12	Ellagic acid -Pentoside	13.94 \pm 0.12b	13.06 \pm 0.11c	5.32 \pm 0.10d	3.23 \pm 0.05e	20.22 \pm 3.31a
14	Ellagic acid-Rhamnoside					52.15 \pm 5.86
17	Ellagic acid					26.39 \pm 5.54
	Flavonoid derivatives					
11	Quercetin-3-(gallic acid)Hexoside	117.72 \pm 0.59b	135.29 \pm 0.57a	34.00 \pm 0.69c	20.13 \pm 0.30d	
13	Quercetin-3-(2-Rhamnoside)Hexoside	37.11 \pm 0.66a	36.73 \pm 0.19a	19.83 \pm 0.18b	10.36 \pm 0.28c	
15	Quercetin-3-(6-Rhamnoside)Hexoside	77.90 \pm 0.43a	68.39 \pm 0.26b	39.93 \pm 0.60c	22.71 \pm 0.38d	
16	Quercetin-3-Hexoside	152.18 \pm 1.11b	165.64 \pm 2.26a	59.70 \pm 0.69c	26.52 \pm 0.57d	
18	Quercetin-3-Hexoside	44.71 \pm 1.24b	47.14 \pm 1.09a	22.02 \pm 0.34c	10.59 \pm 0.18d	
19	Quercetin-3-Rhamnoside	45.45 \pm 0.78a	40.83 \pm 0.54a	7.53 \pm 0.37c	7.67 \pm 0.17b	
20	Quercetin-3-Pentoside	42.54 \pm 0.43b	43.51 \pm 0.16a	9.46 \pm 0.06c	2.14 \pm 0.34d	
						224.85 \pm 12.55a
21	Tetrahydroxyflavone-(6-Rhamnoside)Hexoside	143.82 \pm 1.10b	130.57 \pm 1.04c	64.45 \pm 0.40d	49.85 \pm 1.02e	
22	Tetrahydroxyflavone-Hexoside	194.94 \pm 1.06b	225.90 \pm 4.03a	112.68 \pm 1.72c	73.48 \pm 1.52d	220.75 \pm 23.91a
23	Trihydroxy-dimethoxyflavone	38.31 \pm 0.48b	34.35 \pm 0.51c	9.62 \pm 0.09d	7.32 \pm 0.09e	40.01 \pm 3.33a

BS W: Basal winter leaves, AP W: apical winter leaves, BS S: basal spring leaves, AP S: apical spring leaves, and IVITRO: in vitro leaves.