

Table S1. Phenolic and other compounds identified in MAE olive leaf extracts by HPLC-ESI-TOF-MS.

Peak	RT	<i>m/z</i> experimental	<i>m/z</i> calculated	Tolerance (ppm)	Error (ppm)	mSigma	Molecular formula	Compound
1	3.783	389.1092	389.1089	10	-0.7	14.1	C ₁₆ H ₂₂ O ₁₁	Oleoside
2	4.602	315.1064	315.1085	10	6.9	8.2	C ₁₄ H ₂₀ O ₈	Hydroxytyrosol-hexose
3	4.752	389.1092	389.1089	10	-0.7	4.7	C ₁₆ H ₂₂ O ₁₁	Secologanoside isomer a
4	4.903	153.0549	153.0557	10	5.1	12.9	C ₈ H ₁₀ O ₃	Hydroxytyrosol
5	6.274	299.1135	299.1136	10	0.5	14.7	C ₁₄ H ₂₀ O ₇	Tyrosol glucoside
6	6.926	341.0899	341.0878	10	-6.2	32.7	C ₁₅ H ₁₈ O ₉	Caffeoylglucoside
7	7.863	403.1254	403.1246	10	-2	34.7	C ₁₇ H ₂₄ O ₁₁	Elenolic acid glucoside isomer a
8	8.331	403.1271	403.1246	10	-6.2	21	C ₁₇ H ₂₄ O ₁₁	Elenolic acid glucoside isomer b
9	8.615	389.1109	389.1089	10	-5.1	4.4	C ₁₆ H ₂₂ O ₁₁	Secologanoside isomer b
10	9.885	403.1257	403.1246	10	-2.7	20.9	C ₁₇ H ₂₄ O ₁₁	Elenolic acid glucoside isomer c
11	10.922	377.1458	377.1453	10	-1.4	2.3	C ₁₆ H ₂₆ O ₁₀	Oleuropein aglycon
12	11.524	609.1446	609.1461	10	2.5	11.9	C ₂₇ H ₃₀ O ₁₆	Luteolin-diglucoside
13	12.009	403.1254	403.1246	10	-2.1	6.7	C ₁₇ H ₂₄ O ₁₁	Elenolic acid glucoside isomer d
14	13.330	525.1642	525.1614	10	-5.4	35.4	C ₂₄ H ₃₀ O ₁₃	Demethyloleuropein
15	13.681	555.1727	555.1719	10	-1.4	8.4	C ₂₅ H ₃₂ O ₁₄	Hydroxyoleuropein/hydroxyoleurosides isomer a
16	13.781	609.1455	609.1461	10	1	23.1	C ₂₇ H ₃₀ O ₁₆	Rutin
17	13.932	593.1523	593.1512	10	-1.9	18.8	C ₂₇ H ₃₀ O ₁₅	Luteolin rutinoside
18	14.584	447.093	447.0933	10	0.6	17.1	C ₂₁ H ₂₀ O ₁₁	luteolin glucoside isomer a
19	14.718	623.1969	623.1981	10	2	38	C ₂₉ H ₃₆ O ₁₅	Verbascoside
20	15.554	555.1725	555.1719	10	-1.1	26	C ₂₅ H ₃₂ O ₁₄	Hydroxyoleuropein/hydroxyoleurosides isomer b
21	16.022	577.153	577.1563	10	5.6	36.4	C ₂₇ H ₃₀ O ₁₄	Apigenin rutinoside
22	16.256	701.2265	701.2298	10	4.8	10.9	C ₃₁ H ₄₂ O ₁₈	Oleuropein glucoside isomer a
23	16.524	607.1637	607.1668	10	5.2	29.7	C ₂₈ H ₃₂ O ₁₅	Diosmetin rhamnoside glucoside (diosmin)
24	16.541	447.091	447.0933	10	5.2	34.3	C ₂₁ H ₂₀ O ₁₁	luteolin glucoside isomer b
25	16.992	701.2282	701.2298	10	2.4	15.5	C ₃₁ H ₄₂ O ₁₈	Oleuropein glucoside isomer b
26	17.042	431.0978	431.0984	10	1.4	14.8	C ₂₁ H ₂₀ O ₁₀	Apigenin glucoside
27	17.159	447.0915	447.0933	10	4	25.6	C ₂₁ H ₂₀ O ₁₁	luteolin glucoside isomer c
28	17.241	461.1099	461.1084	10	-2	4.8	C ₂₂ H ₂₂ O ₁₁	Chrysoeriol-7-O-glucoside
29	18.146	701.2317	701.2298	10	-2.7	35.6	C ₃₁ H ₄₂ O ₁₈	Oleuropein glucoside isomer c
30	18.263	541.1909	541.1927	10	3.3	31.9	C ₂₅ H ₃₄ O ₁₃	Hydro-oleuropein/hydro-oleurosides
31	18.347	447.0924	447.0933	10	2	7.8	C ₂₁ H ₂₀ O ₁₁	luteolin glucoside isomer d
32	18.681	701.2279	701.2298	10	2.8	18.3	C ₃₁ H ₄₂ O ₁₈	Oleuropein glucoside isomer d
33	18.949	539.1784	539.177	10	-2.6	24.4	C ₂₅ H ₃₂ O ₁₃	Oleuropein isomer a
34	20.019	539.1787	539.177	10	-3.1	22.6	C ₂₅ H ₃₂ O ₁₃	Oleuropein isomer b
35	20.420	539.1752	539.177	10	3.3	10.5	C ₂₅ H ₃₂ O ₁₃	Oleuropein isomer c
36	20.822	539.175	539.177	10	3.8	7	C ₂₅ H ₃₂ O ₁₃	Oleuropein isomer d
37	20.939	523.1804	523.1821	10	3.3	4.7	C ₂₅ H ₃₂ O ₁₂	ligstrosides
38	21.34	285.0401	285.0405	10	1.1	15.7	C ₁₅ H ₁₀ O ₆	Luteolin
39	21.524	301.0371	301.0354	10	-5.8	19.3	C ₁₅ H ₁₀ O ₇	Quercetin
40	21.974	553.1909	553.1927	10	3.3	8.5	C ₂₆ H ₃₄ O ₁₃	Oleuropein/oleurosides methyl ether
41	23.280	613.1946	613.1927	10	-3.1	39.2	C ₃₁ H ₃₄ O ₁₃	Resinoside

Table S2. Calibration curves of standards.

Analyte	LOD (mg/L)	LOQ (mg/L)	Calibration ranges (mg/L)	Calibration curves (mg/L)	R ²
Hydroxytyrosol	0.065	0.215	LOQ-125	y=31916x-75724	0.9968
Oleuropein	0.036	0.121	LOQ-125	y=29372x+51188	0.9989
Apigenin	0.016	0.055	LOQ-125	y= 117665x+16542	0.9958

LOD: Limit of detection, LOQ: Limit of quantification

Table S3. Compounds quantified in MAE olive leaf extracts by HPLC-ESI-TOF-MS (mg g⁻¹ d.w).

Compounds	MAE 1	MAE 2	MAE 3	MAE 4	MAE 5	MAE 6	MAE 7	MAE 8
Simple phenols								
Hydroxytyrosol-hexose	0.13 ± 0.005 ^{a,b}	0.11 ± 0.004 ^a	0.30 ± 0.003 ^{d,e,f}	0.33 ± 0.004 ^f	0.25 ± 0.003 ^{c,d}	0.51 ± 0.03 ^g	0.24 ± 0.01 ^{c,d}	0.19 ± 0.01 ^{b,c}
Hydroxytyrosol	N.D.	N.D.	0.10 ± 0.003 ^{a,b,c}	0.15 ± 0.01 ^{b,c,d}	0.08 ± 0.0001 ^{a,b}	0.78 ± 0.10 ^e	0.08 ± 0.002 ^{a,b,c}	0.08 ± 0.0004 ^{a,b}
Tyrosol glucoside	0.05 ± 0.0002 ^a	N.D.	0.07 ±	0.07 ± 0.002 ^{d,e}	0.07 ±	0.09 ± 0.01 ^f	0.07 ± 0.005 ^{b,c,d,e}	0.06 ± 0.004 ^{a,b,c}
0.001 ^{a,b,c,d,e}								
0.0002 ^{c,d,e}								
Total	0.18 ± 0.003 ^a	0.11 ± 0.004 ^a	0.46 ± 0.02 ^{c,d}	0.54 ± 0.01 ^d	0.40 ± 0.003 ^{b,c}	1.38 ± 0.12 ^e	0.39 ± 0.02 ^{b,c,d}	0.33 ± 0.01 ^b
Secoiridoids								
Oleoside	N.D.	N.D.	0.09 ± 0.01 ^f	0.03 ± 0.002 ^b	0.06 ± 0.005 ^{c,d}	0.05 ± 0.005 ^c	0.02 ± 0.004 ^b	0.05 ± 0.002 ^{c,d}
Secologanoside isomer a	0.47 ± 0.03 ^a	0.42 ± 0.01 ^a	1.39 ± 0.04 ^{e,f}	1.23 ± 0.01 ^{d,e}	1.00 ± 0.01 ^b	1.90 ± 0.03 ^h	1.02 ± 0.04 ^{b,c}	0.85 ± 0.08 ^b
Secologanoside isomer b	0.33 ± 0.01 ^a	0.47 ± 0.02 ^{a,b}	1.77 ± 0.04 ^f	0.71 ± 0.02 ^c	0.75 ± 0.02 ^c	1.06 ± 0.04 ^d	0.75 ± 0.01 ^c	1.11 ± 0.09 ^d
Oleuropein aglycon	0.01 ± 0.001 ^a	0.03 ± 0.002 ^a	0.23 ± 0.002 ^{e,f}	0.08 ± 0.007 ^b	0.05 ± 0.004 ^{a,b}	0.33 ± 0.03 ⁱ	0.05 ± 0.001 ^{a,b}	0.14 ± 0.001 ^c
Demethyloleuropein	0.005 ± 0.00001 ^{a,b}	0.001 ± 0.00002 ^a	0.03 ± 0.005 ^e	0.03 ± 0.002 ^{e,f}	0.02 ± 0.001 ^d	0.0025 ±	0.01 ± 0.002 ^{c,d}	0.01 ± 0.001 ^{b,c,d}
0.0001 ^a								
Hydroxyoleuropein/hydroxyoleuroside isomer a	0.007 ± 0.001 ^a	0.03 ± 0.002 ^{a,b,c}	0.40 ± 0.005 ^e	0.04 ± 0.002 ^{a,b,c}	0.07 ± 0.01 ^c	0.06 ± 0.004 ^{b,c}	0.07 ± 0.003 ^{b,c}	0.43 ± 0.02 ^f
Hydroxyoleuropein/hydroxyoleuroside isomer b	0.22 ± 0.0004 ^c	N.D.	N.D.	0.53 ± 0.03 ^e	0.46 ± 0.02 ^d	0.13 ± 0.005 ^b	0.48 ± 0.03 ^d	N.D.
Oleuropein glucoside isomer a	< LOQ	0.02 ± 0.002 ^{b,c}	0.05 ± 0.01 ^{e,f}	0.05 ± 0.002 ^{c,d,e,f}	0.03 ± 0.01 ^{b,c,d}	0.03 ±	0.02 ± 0.01 ^{a,b}	0.02 ± 0.002 ^{b,c}
0.001 ^{b,c,d,e}								
Oleuropein glucoside isomer b	0.01 ± 0.001 ^{a,b}	0.05 ± 0.01 ^{b,c}	0.07 ± 0.0004 ^{c,d}	0.06 ± 0.003 ^c	0.04 ±	0.34 ± 0.04 ^e	0.05 ± 0.002 ^{a,b,c}	0.04 ± 0.01 ^{a,b,c}
0.0002 ^{a,b,c}								
Oleuropein glucoside isomer c	0.08 ± 0.002 ^b	N.D.	0.24 ± 0.01 ^{e,f}	0.27 ± 0.00003 ^{e,f}	0.18 ± 0.002 ^{c,d}	N.D.	0.22 ± 0.02 ^{d,e}	0.13 ± 0.001 ^c
Hydro-oleuropein/hydro-oleuroside	0.04 ± 0.01 ^{a,b}	0.01 ± 0.002 ^a	0.12 ± 0.01 ^{e,f,g}	0.13 ± 0.007 ^{f,g}	0.10 ± 0.004 ^{d,e,f}	0.11 ± 0.03 ^{e,f,g}	0.11 ± 0.01 ^{e,f}	0.05 ± 0.01 ^{a,b,c}
Oleuropein glucoside isomer d	0.01 ± 0.003 ^{a,b,c}	0.01 ± 0.003 ^{a,b}	0.05 ± 0.002 ^{c,d}	0.04 ±	0.04 ±	0.14 ± 0.03 ^e	0.03 ± 0.01 ^{a,b,c,d}	0.25 ± 0.01 ^g
0.001 ^{a,b,c,d}								
0.003 ^{a,b,c,d}								
Oleuropein isomer a	29.53 ± 0.03 ^f	17.28 ± 0.09 ^c	42.96 ± 0.04 ⁱ	60.00 ± 0.27 ^m	54.58 ± 0.48 ^l	32.34 ± 0.10 ^g	50.86 ± 0.51 ^k	14.40 ± 0.04 ^a
Oleuropein isomer b	0.81 ± 0.09 ^{a,b}	0.59 ± 0.01 ^{a,b}	1.28 ± 0.15 ^{c,d}	1.70 ± 0.05 ^{d,e}	1.81 ± 0.04 ^e	5.75 ± 0.10 ^g	1.82 ± 0.13 ^e	0.55 ± 0.02 ^{a,b}
Oleuropein isomer c	2.09 ± 0.15 ^{b,c}	1.25 ± 0.04 ^a	3.61 ± 0.02 ^{d,e}	4.32 ± 0.25 ^f	3.50 ± 0.25 ^e	1.66 ± 0.05 ^{a,b}	3.42 ± 0.23 ^e	1.5 ± 0.2 ^{a,b}
Oleuropein isomer d	N.D.	N.D.	N.D.	N.D.	N.D.	1.93 ± 0.03 ^c	N.D.	N.D.
ligstroside	0.93 ± 0.05 ^{d,e}	0.66 ± 0.01 ^b	1.47 ± 0.01 ^g	1.70 ± 0.05 ^{h,i}	1.78 ± 0.06 ⁱ	0.99 ± 0.0003 ^e	1.82 ± 0.01 ⁱ	0.46 ± 0.02 ^a

Oleuropein/oleurosides methyl ether	0.02 ± 0.0005 ^{b,c}	0.009 ± 0.002 ^a	0.04 ± 0.001 ^{f,g}	0.06 ± 0.003 ^h	0.04 ± 0.003 ^{e,f,g}	0.05 ± 0.03 ^{g,h}	0.03 ± 0.002 ^{d,e,f}	0.02 ± 0.002 ^{a,b,c}
Total	34.57 ± 0.20 ^c	20.86 ± 0.14 ^a	53.8 ± 0.1 ^f	70.98 ± 0.48 ^j	64.52 ± 0.58 ⁱ	46.87 ± 0.14 ^d	60.78 ± 0.87 ^h	19.99 ± 0.36 ^a
Flavonoids								
Luteolin-diglucoside a	0.007 ± 0.001 ^a	0.01 ± 0.001 ^{a,b}	0.05 ± 0.003 ^g	0.04 ± 0.001 ^{e,f}	0.02 ± 0.001 ^c	0.06 ± 0.002 ^h	0.02 ± 0.0004 ^{b,c}	0.03 ± 0.002 ^d
Rutin	0.009 ± 0.001 ^a	0.01 ± 0.0003 ^a	0.05 ± 0.003 ^g	0.04 ± 0.001 ^e	0.02 ± 0.0004 ^b	0.04 ± 0.001 ^{e,f}	0.02 ± 0.002 ^b	0.03 ± 0.001 ^c
Luteolin rutinoside	0.009 ± 0.001 ^a	0.01 ± 0.001 ^a	0.04 ± 0.001 ^{e,f}	0.04 ± 0.003 ^{e,f}	0.02 ± 0.001 ^c	0.05 ± 0.001 ^g	0.02 ± 0.001 ^{b,c}	0.02 ± 0.002 ^c
Luteolin glucoside isomer a	0.16 ± 0.01 ^a	0.16 ± 0.01 ^a	0.48 ± 0.01 ^{e,f}	0.47 ± 0.02 ^e	0.33 ± 0.001 ^{c,d}	0.52 ± 0.01 ^{f,g}	0.36 ± 0.01 ^d	0.21 ± 0.01 ^b
Apigenin rutinoside	0.02 ± 0.001 ^a	0.02 ± 0.0003 ^a	0.06 ± 0.004 ^{e,f}	0.06 ± 0.002 ^{e,f,g}	0.04 ± 0.001 ^b	0.07 ± 0.0002 ^g	0.04 ± 0.003 ^b	0.03 ± 0.003 ^b
Diosmetin rhamnoside glucoside (diosmin)	<LOQ	0.001 ± 0.0002 ^{a,b}	0.008 ± 0.001 ^{e,f}	0.008 ± 0.0001 ^{e,f}	0.004 ± 0.001 ^{c,d}	0.008 ± 0.001 ^{e,f}	0.004 ± 0.001 ^{b,c,d}	0.004 ± 0.0001 ^{b,c}
Luteolin glucoside isomer b	0.004 ± 0.001 ^a	0.004 ± 0.0004 ^a	0.04 ± 0.001 ^{e,f}	0.03 ± 0.002 ^e	0.02 ± 0.001 ^{c,d}	0.02 ± 0.001 ^{c,d}	0.02 ± 0.002 ^d	0.006 ± 0.001 ^{a,b}
Apigenin glucoside	0.03 ± 0.001 ^a	0.03 ± 0.00003 ^a	0.06 ± 0.0002 ^{c,d,e}	0.07 ± 0.004 ^{e,f}	0.06 ± 0.0001 ^{c,d,e}	0.08 ± 0.003 ^f	0.06 ± 0.003 ^{b,c}	0.03 ± 0.002 ^a
Luteolin glucoside isomer c	0.09 ± 0.001 ^a	0.01 ± 0.007 ^a	0.33 ± 0.01 ^g	0.31 ± 0.003 ^{f,g}	0.20 ± 0.01 ^{c,d}	0.24 ± 0.006 ^e	0.21 ± 0.01 ^{c,d}	0.14 ± 0.01 ^b
Chrysoeriol-7-O-glucoside a	0.05 ± 0.004 ^a	0.04 ± 0.001 ^a	0.12 ± 0.003 ^g	0.13 ± 0.005 ^{g,h}	0.10 ± 0.001 ^e	0.13 ± 0.002 ^h	0.09 ± 0.002 ^e	0.06 ± 0.0004 ^b
Luteolin glucoside isomer d	0.01 ± 0.001 ^a	0.01 ± 0.001 ^a	0.05 ± 0.004 ^{d,e}	0.05 ± 0.001 ^d	0.03 ± 0.0006 ^c	0.03 ± 0.001 ^c	0.03 ± 0.003 ^c	0.01 ± 0.0005 ^a
Luteolin	0.001 ± 0.000003 ^a	0.001 ± 0.001 ^a	0.01 ± 0.002 ^{e,f}	0.02 ± 0.001 ^{g,h}	0.006 ± 0.001 ^{c,d}	0.03 ± 0.002 ⁱ	0.005 ± 0.0001 ^{b,c}	0.01 ± 0.001 ^{d,e}
Quercetin	0.005 ± 0.0001 ^a	0.002 ± 0.0004 ^a	0.13 ± 0.006 ^f	0.13 ± 0.001 ^f	0.07 ± 0.0004 ^{c,d}	0.02 ± 0.001 ^b	0.07 ± 0.01 ^d	N.D.
Resiniferoside	0.001 ± 0.0001 ^a	0.0005 ± 0.00001 ^a	0.005 ± 0.001 ^{c,d}	0.005 ± 0.0009 ^{c,d}	0.003 ± 0.0004 ^{b,c}	0.002 ± 0.001 ^{a,b}	0.003 ± 0.0007 ^{b,c}	N.D.
Total	0.39 ± 0.01 ^a	0.39 ± 0.02 ^a	1.43 ± 0.01 ^g	1.40 ± 0.02 ^g	0.91 ± 0.005 ^d	1.32 ± 0.02 ^f	0.95 ± 0.03 ^d	0.59 ± 0.03 ^b
Other phenolic compounds								
Caffeoylglucoside	N.D.	N.D.	0.004 ± 0.0001 ^{c,d}	0.002 ± 0.0004 ^{a,b,c}	0.004 ± 0.0004 ^{c,d}	0.01 ± 0.002 ^e	0.002 ± 0.00002 ^{b,c}	N.D.
Verbascoside	0.07 ± 0.005 ^{a,b}	0.07 ± 0.003 ^a	0.13 ± 0.007 ^e	0.11 ± 0.002 ^d	0.09 ± 0.001 ^{c,d}	0.09 ± 0.002 ^{b,c,d}	0.16 ± 0.01 ^f	0.08 ± 0.003 ^{a,b,c}
Other compounds								
Elenolic acid glucoside isomer a	<LOQ	N.D.	0.02 ± 0.003 ^b	0.03 ± 0.004 ^{b,c}	<LOQ	0.04 ± 0.008 ^d	N.D.	N.D.
Elenolic acid glucoside isomer b	0.08 ± 0.01 ^b	0.07 ± 0.01 ^b	0.20 ± 0.01 ^d	0.08 ± 0.0001 ^b	0.19 ± 0.005 ^d	0.004 ± 0.00003 ^a	0.19 ± 0.003 ^d	0.13 ± 0.02 ^c
Elenolic acid glucoside isomer c	0.05 ± 0.01 ^{a,b}	0.09 ± 0.01 ^b	0.40 ± 0.004 ^e	0.16 ± 0.03 ^c	0.24 ± 0.002 ^d	0.04 ± 0.01 ^a	0.26 ± 0.002 ^d	0.19 ± 0.01 ^c
Elenolic acid glucoside isomer d	0.36 ± 0.02 ^a	0.26 ± 0.001 ^a	0.93 ± 0.01 ^{d,e,f}	0.93 ± 0.02 ^{d,e,f}	0.83 ± 0.01 ^{c,d}	1.60 ± 0.09 ^h	0.82 ± 0.03 ^{c,d}	0.53 ± 0.03 ^b

Total	0.49 ± 0.02^a	0.42 ± 0.002^a	1.56 ± 0.02^f	1.20 ± 0.01^d	$1.26 \pm 0.01^{d,e}$	1.68 ± 0.09^f	$1.27 \pm 0.03^{d,e}$	0.85 ± 0.04^b
Total compounds	35.72 ± 0.17^b	21.85 ± 0.16^a	57.37 ± 0.07^f	74.24 ± 0.50^i	67.18 ± 0.60^h	51.36 ± 0.37^d	63.55 ± 0.90^g	21.84 ± 0.37^a

Continued

Compounds	MAE 9	MAE 10	MAE 11	MAE 12	MAE 13	MAE 14	MAE 15
Simple phenols							
Hydroxytyrosol-hexose isomer a	0.12 ± 0.01 ^a	0.29 ± 0.03 ^{d,e,f}	0.33 ± 0.003 ^f	0.26 ± 0.01 ^{d,e}	0.28 ± 0.04 ^{d,e,f}	0.35 ± 0.002 ^f	0.32 ± 0.001 ^{e,f}
Hydroxytyrosol	N.D.	0.19 ± 0.01 ^{c,d}	0.09 ± 0.00003 ^{a,b,c}	1.06 ± 0.006 ^f	0.24 ± 0.01 ^d	0.13 ± 0.000002 ^{b,c}	0.14 ± 0.007 ^{b,c,d}
Tyrosol glucoside	0.06 ± 0.003 ^{a,b}	0.07 ± 0.004 ^{a,b,c,d,e}	0.07 ± 0.0008 ^{b,c,d,e}	0.06 ± 0.0007 ^{a,b,c,d}	0.07 ± 0.002 ^{a,b,c,d,e}	0.07 ± 0.001 ^{e,f}	0.07 ± 0.0004 ^{a,b,c,d,e}
Total	0.18 ± 0.01 ^a	0.55 ± 0.04 ^d	0.49 ± 0.004 ^{c,d}	1.38 ± 0.02 ^e	0.59 ± 0.05 ^d	0.55 ± 0.001 ^d	0.52 ± 0.01 ^{c,d}
Secoiridoids							
Oleoside	0.02 ± 0.001 ^b	0.08 ± 0.01 ^{e,f}	0.14 ± 0.006 ^h	0.07 ± 0.0005 ^{d,e}	0.01 ± 0.003 ^{a,b}	0.11 ± 0.004 ^g	0.03 ± 0.00004 ^b
Secologanoside isomer a	0.47 ± 0.02 ^a	1.35 ± 0.02 ^{s,e}	1.62 ± 0.001 ^g	1.18 ± 0.04 ^{c,d}	1.24 ± 0.10 ^{d,e}	1.53 ± 0.0004 ^{fg}	1.36 ± 0.05 ^e
Secologanoside isomer b	0.59 ± 0.01 ^{b,c}	1.58 ± 0.12 ^c	1.97 ± 0.02 ^g	1.51 ± 0.05 ^c	0.63 ± 0.03 ^{b,c}	1.88 ± 0.01 ^{fg}	1.46 ± 0.02 ^c
Oleuropein aglycon	0.05 ± 0.001 ^{a,b}	0.24 ± 0.01 ^{fg}	0.27 ± 0.01 ^{g,h}	0.20 ± 0.02 ^{d,e}	0.18 ± 0.0004 ^{c,d}	0.31 ± 0.02 ^{h,i}	0.22 ± 0.0008 ^{e,f}
Demethyloleuropein	0.007 ± 0.002 ^{a,b,c}	0.01 ± 0.001 ^{c,d}	0.04 ± 0.004 ^f	0.02 ± 0.0003 ^d	<LOQ	0.03 ± 0.002 ^{e,f}	0.03 ± 0.003 ^e
Hydroxyoleuropein/hydroxyoleuroside isomer a	0.04 ± 0.002 ^{a,b,c}	0.74 ± 0.01 ^g	0.42 ± 0.01 ^{e,f}	0.82 ± 0.04 ^h	0.02 ± 0.001 ^{a,b}	0.44 ± 0.002 ^f	0.18 ± 0.02 ^d
Hydroxyoleuropein/hydroxyoleuroside isomer b	N.D.	N.D.	0.11 ± 0.01 ^b	N.D.	0.14 ± 0.01 ^b	0.05 ± 0.01 ^a	0.23 ± 0.004 ^c
Oleuropein glucoside isomer a	<LOQ	0.06 ± 0.01 ^f	0.05 ± 0.01 ^f	0.03 ± 0.005 ^{b,c,d}	0.02 ± 0.003 ^{a,b}	0.07 ± 0.001 ^f	0.05 ± 0.005 ^{d,e,f}
Oleuropein glucoside isomer b	0.004 ± 0.0002 ^a	0.06 ± 0.008 ^c	0.08 ± 0.01 ^{c,d}	0.05 ± 0.001 ^{b,c}	0.01 ± 0.001 ^{a,b}	0.10 ± 0.004 ^d	0.06 ± 0.01 ^{c,d}
Oleuropein glucoside isomer c	0.06 ± 0.009 ^b	0.24 ± 0.01 ^{e,f}	0.29 ± 0.04 ^f	0.18 ± 0.01 ^d	0.24 ± 0.005 ^{e,f}	0.28 ± 0.02 ^f	0.25 ± 0.004 ^{e,f}
Hydro-oleuropein/hydro-oleuroside	0.03 ± 0.005 ^{a,b}	0.08 ± 0.004 ^{c,d,e}	0.15 ± 0.005 ^g	0.05 ± 0.004 ^{a,b,c}	0.07 ± 0.01 ^{b,c,d}	0.15 ± 0.002 ^g	0.11 ± 0.003 ^{e,f,g}
Oleuropein glucoside isomer d	0.007 ± 0.001 ^a	0.20 ± 0.005 ^f	0.05 ± 0.01 ^d	0.17 ± 0.006 ^{e,f}	0.06 ± 0.01 ^d	0.06 ± 0.007 ^d	0.05 ± 0.001 ^{b,c,d}
Oleuropein isomer a	16.18 ± 0.07 ^b	26.92 ± 0.29 ^e	42.27 ± 0.29 ⁱ	23.97 ± 0.05 ^d	23.77 ± 0.05 ^d	46.17 ± 0.26 ^j	40.73 ± 0.29 ^h
Oleuropein isomer b	0.53 ± 0.05 ^a	0.98 ± 0.11 ^{b,c}	1.71 ± 0.02 ^{d,e}	0.86 ± 0.04 ^{a,b,c}	5.65 ± 0.20 ^g	1.66 ± 0.24 ^{d,e}	3.54 ± 0.12 ^f
Oleuropein isomer c	1.25 ± 0.03 ^a	2.58 ± 0.04 ^{c,d}	3.45 ± 0.52 ^e	2.09 ± 0.07 ^{b,c}	1.57 ± 0.11 ^{a,b}	3.83 ± 0.07 ^{e,f}	N.D.
Oleuropein isomer d	N.D.	N.D.	N.D.	N.D.	1.67 ± 0.02 ^b	N.D.	0.84 ± 0.01 ^a
Ligstroside	0.60 ± 0.06 ^{a,b}	0.84 ± 0.05 ^d	1.62 ± 0.01 ^h	0.83 ± 0.01 ^{c,d}	0.70 ± 0.01 ^{b,c}	1.60 ± 0.04 ^{g,h}	1.29 ± 0.02 ^f
Oleuropein/oleuroside methyl ether	0.01 ± 0.003 ^{a,b}	0.03 ± 0.01 ^{d,e}	0.05 ± 0.002 ^{g,h}	0.02 ± 0.0002 ^{c,d}	0.05 ± 0.003 ^g	0.05 ± 0.001 ^{g,h}	0.04 ± 0.003 ^{fg}
Total	19.84 ± 0.01 ^a	36.01 ± 0.06 ^c	54.34 ± 0.32 ^f	32.08 ± 0.07 ^b	36.03 ± 0.47 ^c	58.35 ± 0.44 ^g	50.49 ± 0.38 ^e
Flavonoids							
Luteolin-diglucoside a	0.01 ± 0.002 ^{a,b,c}	0.04 ± 0.0001 ^g	0.05 ± 0.003 ^h	0.04 ± 0.001 ^{e,f}	0.03 ± 0.003 ^e	0.05 ± 0.002 ^h	0.04 ± 0.0003 ^{fg}
Rutin	0.01 ± 0.001 ^a	0.04 ± 0.0003 ^d	0.06 ± 0.001 ^h	0.03 ± 0.001 ^d	0.04 ± 0.001 ^d	0.06 ± 0.001 ^h	0.05 ± 0.001 ^{fg}
Luteolin rutinoside	0.01 ± 0.001 ^{a,b}	0.04 ± 0.003 ^{e,f}	0.05 ± 0.003 ^{fg}	0.03 ± 0.001 ^d	0.04 ± 0.004 ^{d,e}	0.05 ± 0.00002 ^{fg}	0.04 ± 0.003 ^{e,f}
luteolin glucoside isomer a	0.18 ± 0.002 ^{a,b}	0.37 ± 0.005 ^d	0.55 ± 0.003 ^g	0.29 ± 0.02 ^c	0.34 ± 0.01 ^d	0.54 ± 0.01 ^g	0.44 ± 0.007 ^e
Apigenin rutinoside	0.02 ± 0.00004 ^a	0.05 ± 0.003 ^{c,d}	0.07 ± 0.004 ^{fg}	0.04 ± 0.001 ^{b,c}	0.05 ± 0.00001 ^{c,d}	0.07 ± 0.0001 ^{fg}	0.05 ± 0.0008 ^{d,e}
Diosmetin rhamnoside glucoside (diosmin)	0.0008 ± 0.0001 ^a	0.07 ± 0.001 ^{d,e,f}	0.01 ± 0.001 ^f	0.006 ± 0.001 ^{c,d,e}	0.006 ± 0.0002 ^{c,d,e,f}	0.01 ± 0.001 ^f	0.008 ± 0.0004 ^{e,f}

Luteolin glucoside isomer b	0.007 ± 0.0001 ^{a,b}	0.02 ± 0.003 ^{c,d}	0.04 ± 0.002 ^{e,f}	0.01 ± 0.0004 ^{b,c}	0.02 ± 0.001 ^d	0.04 ± 0.005 ^f	0.03 ± 0.001 ^e
Apigenin glucoside	0.03 ± 0.002 ^a	0.05 ± 0.004 ^b	0.07 ± 0.005 ^{d,e}	0.04 ± 0.0002 ^a	0.05 ± 0.0002 ^{b,c}	0.07 ± 0.001 ^{d,e,f}	0.06 ± 0.002 ^{c,d}
Luteolin glucoside isomer c	0.12 ± 0.009 ^b	0.21 ± 0.005 ^d	0.39 ± 0.02 ^h	0.18 ± 0.01 ^c	0.23 ± 0.002 ^{d,e}	0.38 ± 0.01 ^h	0.30 ± 0.01 ^f
Chrysoeriol-7-O-glucoside a	0.05 ± 0.003 ^a	0.10 ± 0.003 ^e	0.13 ± 0.01 ^h	0.08 ± 0.003 ^c	0.10 ± 0.002 ^{e,f}	0.13 ± 0.003 ^h	0.11 ± 0.003 ^{e,f}
Luteolin glucoside isomer d	0.02 ± 0.001 ^{a,b}	0.02 ± 0.002 ^{b,c}	0.06 ± 0.005 ^e	0.02 ± 0.002 ^{b,c}	0.03 ± 0.0001 ^c	0.06 ± 0.003 ^e	0.04 ± 0.004 ^d
Luteolin	0.003 ± 0.001 ^{a,b}	0.01 ± 0.0001 ^{f,g}	0.01 ± 0.0001 ^{f,g}	0.006 ± 0.0003 ^{b,c}	0.06 ± 0.0006 ⁱ	0.02 ± 0.00002 ^{g,h}	0.02 ± 0.0008 ^h
Quercetin	0.004 ± 0.0002 ^a	0.02 ± 0.001 ^b	0.13 ± 0.001 ^f	0.004 ± 0.001 ^a	0.06 ± 0.003 ^c	0.13 ± 0.003 ^f	0.11 ± 0.004 ^e
Resinoside	<LOQ	0.0008 ± 0.00002 ^a	0.006 ± 0.001 ^d	N.D.	N.D.	0.006 ± 0.0006 ^d	0.004 ± 0.0006 ^{c,d}
Total	0.47 ± 0.002 ^a	0.98 ± 0.01 ^{d,e}	1.61 ± 0.03 ^h	0.78 ± 0.03 ^c	1.05 ± 0.01 ^e	1.62 ± 0.03 ^h	1.31 ± 0.01 ^f
Other phenolic compounds							
Caffeoylglucoside	N.D.	0.003 ± 0.0002 ^{b,c}	0.002 ± 0.0008 ^{b,c}	<LOQ	0.003 ± 0.0001 ^{c,d}	0.005 ± 0.0002 ^d	0.0006 ± 0.00001 ^{a,b}
Verbascoside	0.07 ± 0.0003 ^{a,b}	0.10 ± 0.007 ^{c,d}	0.13 ± 0.003 ^e	0.09 ± 0.001 ^c	0.10 ± 0.002 ^{c,d}	0.13 ± 0.002 ^e	0.10 ± 0.005 ^{c,d}
Other compounds							
Elenolic acid glucoside isomer a	N.D.	0.04 ± 0.001 ^d	0.007 ± 0.004 ^a	0.02 ± 0.002 ^{a,b}	N.D.	0.03 ± 0.00004 ^{b,c}	0.04 ± 0.005 ^{c,d}
Elenolic acid glucoside isomer b	0.07 ± 0.002 ^b	0.10 ± 0.003 ^b	0.25 ± 0.003 ^e	0.15 ± 0.008 ^c	N.D.	0.24 ± 0.02 ^e	0.03 ± 0.003 ^a
Elenolic acid glucoside isomer c	0.08 ± 0.009 ^{a,b}	0.52 ± 0.01 ^g	0.44 ± 0.01 ^{e,f}	0.48 ± 0.02 ^{f,g}	<LOQ	0.51 ± 0.006 ^g	0.09 ± 0.01 ^b
Elenolic acid glucoside isomer d	0.30 ± 0.007 ^a	0.89 ± 0.01 ^{d,e,f}	0.99 ± 0.02 ^{e,f,g}	0.75 ± 0.03 ^c	1.03 ± 0.03 ^{f,g}	1.07 ± 0.03 ^g	0.88 ± 0.05 ^{c,d,e}
Total	0.46 ± 0.0004 ^a	1.54 ± 0.02 ^f	1.68 ± 0.1 ^f	1.39 ± 0.05 ^e	1.03 ± 0.03 ^c	1.85 ± 0.02 ^g	1.04 ± 0.05 ^c
Total compounds	21.02 ± 0.02 ^a	39.19 ± 0.09 ^c	58.25 ± 0.37 ^f	35.73 ± 0.07 ^b	38.81 ± 0.57 ^c	62.49 ± 0.45 ^g	53.47 ± 0.31 ^e

Different letters in the same line indicate significant differences among the concentration of phenolic compounds obtained in different extractions in the design. N.D.: Not detected, LOQ: Limit of quantification.