

- 1 **Table S1.** Identification, manufacturer and origin of commercial olive leaves (L) and
- 2 olive leaf extracts (E) samples.

<b>Sample ID</b>	<b>Type</b>	<b>Presentation</b>	<b>Manufacturer</b>	<b>Origin</b>
L1	Dry olive leaves	Whole leaves	Local herbalist shop	Seville, Spain
L2	Dry olive leaves	Whole leaves	Asuca herbalist shop	Seville, Spain
L3	Dry olive leaves	Whole leaves	Soria Natural S.A.	Soria, Spain
L4	Dry olive leaves	Whole leaves	Herbodiet. Novadiet S.A.	Burgos, Spain
L5	Dry olive leaves	Whole leaves	Plameca	Barcelona, Spain
L6	Dry olive leaves	Whole leaves	Acofarma Distribución S.A.	Barcelona, Spain
L7	Dry olive leaves	Whole leaves	Alesframa	Málaga, Spain
L8	Dry olive leaves	Whole leaves	Especias Pedroza	Málaga, Spain
L9	Dry olive leaves	Whole leaves	Herbes del Molí, Coop V.	Alicante, Spain
L10	Dry olive leaves	Whole leaves	Naturix24.de	Dransfeld, Germany
E1	Olive leaf extract	Capsules/powder	Swanson Health products	Fargo, USA
E2	Olive leaf extract	Capsules/powder	Mason Natural, INC.	Miami, USA
E3	Olive leaf extract	Capsules/powder	Prowise Healthcare	Birmingham, UK
E4	Olive leaf extract	Capsules/powder	Herbal Factors	Monroe, WA, Canada
E5	Olive leaf extract	Capsules/powder	Nature's Way Brands, LLC.	Green Bay, WI, USA
E6	Olive leaf extract	Capsules/powder	Vitasense	Holborn, London, UK
E7	Olive leaf extract	Capsules/powder	Drasanvi, S.L.	León, Spain
E8	Olive leaf extract	Liquid	Comvita	Australia
E9	Olive leaf extract	Capsules/liquid	Gaia Herbs, Inc.	Brevard, NC, USA
E10	Olive leaf extract	Liquid	Soria Natural S.A.	Soria, Spain
E11	Olive leaf extract	Liquid	Now Foods	Bloomington, IL, USA

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16 **Table S2.** Concentration (mg/kg) of oleosidic compounds in commercial olive leaves  
 17 (L) and olive leaf extracts (E) and olive leaves infusions (I) samples. Standard deviation  
 18 of replicates in parenthesis.

Sample	Oleoside	Secoxyloganin	Secologanoside	Ole11Me	Total oleosidic compounds
L1	2413 (66)	0 (0)	2493 (68)	1609 (262)	6514 (396)
L2	2286 (310)	0 (0)	608 (2)	1091 (67)	3984 (244)
L3	1878 (555)	647 (133)	691 (123)	1202 (158)	4419 (969)
L4	4137 (214)	0 (0)	1831 (187)	1926 (251)	7894 (652)
L5	3493 (352)	954 (53)	2049 (381)	2317 (654)	8813 (1440)
L6	2125 (43)	911 (35)	3416 (225)	2254 (220)	8706 (522)
L7	3592 (145)	538 (87)	1629 (104)	1726 (86)	7485 (40)
L8	4247 (200)	1698 (73)	2424 (371)	2947 (532)	11315 (1176)
L9	3167 (195)	1832 (80)	2111 (257)	2449 (101)	9558 (41)
L10	1770 (345)	0 (0)	1057 (83)	2094 (25)	4921 (288)
E1	2290 (21)	258 (11)	711 (7)	1330 (99)	4732 (80)
E2	3046 (39)	661 (32)	1222 (2)	1896 (21)	6825 (16)
E3	2047 (26)	0 (0)	4766 (323)	7049 (168)	13863 (517)
E4	591 (43)	0 (0)	871 (9)	1157 (97)	2619 (149)
E5	4608 (15)	589 (3)	4048 (24)	1564 (134)	10810 (170)
E6	5110 (90)	1389 (130)	6281 (49)	2589 (151)	15370 (117)
E7	6843 (321)	4715 (778)	5201 (90)	4692 (354)	21452 (1544)
E8	530 (3)	0 (0)	706 (31)	218 (47)	1454 (76)
E9	1112 (61)	0 (0)	1266 (200)	1708 (740)	4085 (479)
E10	370 (61)	121 (3)	188 (30)	363 (47)	1042 (140)
E11	1380 (138)	154 (66)	1635 (131)	395 (9)	3563 (195)
I1	9 (0)	0 (0)	10 (0)	6 (1)	25 (1)
I2	8 (0)	0 (0)	3 (0)	4 (1)	14 (1)
I3	4 (1)	1 (0)	2 (1)	4 (1)	12 (2)
I4	13 (1)	0 (0)	6 (1)	5 (1)	24 (2)
I5	14 (1)	1 (0)	8 (1)	7 (1)	30 (2)
I6	7 (1)	1 (0)	14 (2)	7 (1)	29 (3)
I7	12 (0)	0 (0)	5 (1)	5 (2)	22 (3)
I8	16 (1)	2 (0)	10 (0)	11 (0)	39 (1)
I9	12 (0)	2 (1)	9 (0)	8 (2)	32 (0)
I10	7 (0)	0 (0)	4 (0)	6 (0)	17 (0)