

Table S1. Identification and content (mg/100 g dry weight (dw)) of main compounds of extracts from yellow and red Cornelian cherry (*Cornus mas* L.) fruits by means of LC-MS and HPLC.

Compound	UV λ_{\max} (nm)	Ionisation mode	MW [Da]	MS ¹ [M – H] [–] / [M – H] ⁺ (m/z)	MS ² fragment ions (m/z)	Yellow <i>C. mas</i> extract (mg/100 g dw)	Red <i>C. mas</i> extract (mg/100 g dw)
IRIDOIDS							
Loganic acid	245	-	376	375	213	15383.35±8.5	15432.33±29.48
Cornuside	245/273	-	542	541	169	1538.97±5.77	1169.28±17.19
Total iridoids						16922.32	16601.62
ANTHOCYANINS							
Cyanidin 3- <i>O</i> -galactoside	515	+	449 ⁺	449	287	0.00	768.37±11.40
Cyanidin 3- <i>O</i> -robinobioside	516	+	595 ⁺	595	287	0.00	197.67±3.18
Pelargonidin 3- <i>O</i> -galactoside	501	+	433 ⁺	433	271	0.00	1101.65±13.21
Pelargonidin 3- <i>O</i> -robinobioside	501	+	579 ⁺	579	271	0.00	133.80±3.56
Total anthocyanins						0.00	2201.49
PHENOLIC ACIDS							
<i>trans</i> -Caftaric acid	324	-	312	311	179/149	283.63±0.0	296.59±0.0
Caftaric acid isomer	324	-	312	311	179/149	584.34±12.19	308.51±1.81
Coutaric acid isomer	311	-	296	295	163/149	187.59±0.56	92.63±3.88
Total phenolic acids						1055.56	697.73
FLAVONOLS							
Quercetin 3- <i>O</i> -glucuronide	354	-	478	477	301	196.48±4.47	139.93±5.93
Kaempferol 3- <i>O</i> -galactoside	348	-	448	447	285	0.00	100.90±4.81
Total flavonols						196.48	240.83
HYDROLYSABLE TANNINS							
Total gemin D isomers	265	-	634	633	301/275/249/169	228.84	903.33
Tellimagrandin I isomers	267	-	786	785	301/275/249/169	2510.66	276.11
Tellimagrandin II	271	-	938	937	785/633/301/275/249/169	0.00	595.47
Total camptothin A isomers	264	-	1418	708 ⁻² , 1417	1247/783/633/301	2943.69	2294.22
Total cornusiin A isomers	273	-	1570	784 ⁻² , 1569	935/633/313/301	2875.13	8503.24
Total cornusiin F isomers	277	-	2202	1100 ⁻² , 2201	1569/785/633/301	1063.77	0.00
Total cornusiin C isomers	268	-	2354	1176 ⁻² , 2353	786/633/451/301	3222.09	4249.05
Total hydrolysable tannins						18722.01	21686.80