SUPPLEMENTARY INFORMATION

TITLE: (Poly)phenol characterization in white and red cardoon stalks: could the *sous-vide* technique improve their bioaccessibility?

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Table S1. Mass spectrometric characteristics of (poly)phenolic compounds identified in this study.

Nº	(Poly)phenolic compound	R_t (min)	$[M–H]^–$ (*m/z*)	Fragment ions (*m/z*)	Reference
MonoCQAs and derivatives					
1	1–CQA	0.93	353	191, 179	Ramos et al. (2014)
2	3–CQA	1.45	353	191, 179	Juániz et al. (2017), Petropoulos et al. (2018), and Ramos et al. (2014)
3	4–CQA [a]	3.60	353	179, 173	-
4	5–CQA [a]	3.19	353	191, 179	-
5	*cis* 5–CQA [a]	6.09	353	191, 179	-
6	Caffeoylquinic acid derivative I	6.62	631	353, 191	Ramos et al. (2014)
7	Caffeoylquinic acid derivative II	7.35	631	353, 191	Ramos et al. (2014)
8	Caffeoylquinic acid derivative III	8.80	793	353, 191	Ramos et al. (2014)
9	Caffeoylquinic acid derivative IV	9.00	793	353, 191	Ramos et al. (2014)
DiCQAs and derivatives					
10	1,3–diCQA [a]	5.04	515	191, 353, 179	-
11	1,4–diCQA	6.31	515	353, 173	Juániz et al. (2016b), and Ramos et al. (2014)
12	3,4–diCQA [a]	6.45	515	353, 173	-
13	1,5–diCQA [a]	6.70	515	191, 353	-
14	3,5–diCQA [a]	6.77	515	353, 191	-
15	4,5–diCQA [a]	7.68	515	353, 173	-
16	diCQA glucoside I	6.10	677	323, 191	Abu-Reidah et al. (2013)
17	diCQA glucoside II	6.17	677	515, 323	Abu-Reidah et al. (2013)
18	SuccinyldiCQA I	7.45	615	353, 191, 453	Juániz et al. (2016b, 2017), Petropoulos et al. (2018), and Ramos et al. (2014)
19	SuccinyldiCQA II	8.26	615	353, 191, 453	Juániz et al. (2016b, 2017), Petropoulos et al. (2018), and Ramos et al. (2014)
Other hydroxycinnamic acids					
20	Caffeic acid [a]	3.22	179	135	Juániz et al. (2017)
21	Caffeic acid isomer	4.00	179	135	Juániz et al. (2017)
22	Caffeic acid derivative I	5.56	367	179, 135, 161	Juániz et al. (2017)
23	Caffeoyl-hexoside	2.81	341	179, 135	Juániz et al. (2017)
24	*p*-Coumaroylquinic acid I	4.32	337	191, 163	Juániz et al. (2017)
Flavonoids					
25	Apigenin [a]	10.45	269	117, 155	-
26	Luteolin [a]	9.13	285	133	-
27	Luteolin acetylglucoside	7.65	489	285	Juániz et al. (2017) and Ramos et al. (2014)
28	Luteolin 7–*O*–glucoside [a]	6.10	447	285	-
29	Luteolin 7–*O*–rutinoside	5.97	593	285	Abu-Reidah et al. (2013), Petropoulos et al. (2018), and Ramos et al. (2014)

Others					
30	Pinoresinol–acetylhexoside	8.14	561	357	Abu-Reidah et al. (2013)
31	Pinoresinol glucoside I	6.41	519	191, 357	Abu-Reidah et al. (2013), and Petropoulos et al. (2018)

R_t, retention time; *m/z*, mass-to-charge ratio; $[M–H]^–$, Negatively charged molecular ion.

[a] Compounds identified with pure reference standards