

Table S2. Chemical and spectroscopic characteristics of phenolic compounds revealed by HPLC-DAD-ESI-Q-TOF analysis.

Assignment	Molecular formula	Retention time (min)	UV wave lenght (nm)	[M-H]		Score	Difference (ppm)
				Calculated	Expected		
Di-galloyl-glucoside	C ₂₀ H ₂₀ O ₁₄	2.69	275	483.078	483.078	99.66	-0.66
Punicalin <i>a</i>	C ₃₄ H ₂₂ O ₂₂	2.81	256;374	781.053	781.054	99.88	0.61
Punicalin <i>b</i>	C ₃₄ H ₂₂ O ₂₃	2.90	256;374	781.053	781.053	99.09	0.30
α -Punicalagin	C ₄₈ H ₂₈ O ₃₀	3.46	260;378	1083.059	1083.056	91.44	-1.38
β -Punicalagin	C ₄₈ H ₂₈ O ₃₁	3.97	260;378	1083.059	1083.059	98.09	-0.56
Valoneic acid dilactone	C ₂₁ H ₁₀ O ₁₃	11.47	269;370	469.005	469.005	99.42	-0.49
Ellagic acid glucoside	C ₂₀ H ₁₆ O ₁₃	11.64	256;365	463.052	463.052	99.59	-0.38
Ellagic acid	C ₁₄ H ₆ O ₈	15.26	254;369	300.999	300.999	99.36	0.69