

Table S1. Composition of Pomegranate peel extract.

INCI name	% w/w	CAS	EINECS
AQUA	Q.S. to/Q.B. a 100	7732-18-5	231-791-2
PUNICA GRANATUM PEEL EXTRACT	22.5	84961-57-9	284-646-0
SACCHAROMYCES FERMENT LYSATE FILTRATE	1-4	-----	-----
CITRIC ACID	1.5	77-92-9 / 5949-29-1	201-069-1
SODIUM BENZOATE	0.2	532-32-1	208-534-8
POTASSIUM SORBATE	0.1	24634-61-5 / 590-00-1	246-376-1

The ingredients and their quantities are shown, as indicated by the producer.

Table S2. Mass spectral data of the identified compounds.

Compound	Formula	z	RT	[M-H]- exp (m/z)	MS2 ions (m/z)
Citric acid	C ₆ H ₈ O ₇	-1	1.15	191.0186	111,0074; 87,0073
Punicalagin isomer	C ₄₈ H ₂₈ O ₃₀	-2	8.32	541.0259	300,9987; 275,0197; 600,9899; 781,0546;
Punicalagin isomer	C ₄₈ H ₂₈ O ₃₁	-2	6.06	541.0259	300,9987; 275,0197; 600,9899; 781,0546;
Brevifolin carboxylic acid	C ₁₃ H ₈ O ₈	-1	8.35	291.0143	247,0296; 191,0347
Punicalagin isomer	C ₄₈ H ₂₈ O ₃₁	-2	2.94	541.0259	300,9987; 275,0197; 600,9899; 781,0546;
Ellagic acid	C ₁₄ H ₆ O ₈	-1	15.13	300.9986	257.01
Galloyl-HHDP-hexoside	C ₂₇ H ₂₂ O ₁₈	-1	10.39	633.0733	300,9990; 275,0197; 463,0509
Gallic acid	C ₇ H ₇ O ₅	-1	1.76	169.0131	125.02
Punicalin	C ₃₄ H ₂₂ O ₂₂	-1	2.03	781.0530	600,9896; 721,0267
HHDP-hexoside isomer	C ₂₀ H ₁₈ O ₁₄	-1	1.10	481.0623	300,9989; 275,0199
HHDP-hexoside isomer	C ₂₀ H ₁₈ O ₁₄	-1	1.26	481.0622	300,9989; 275,0200
Ellagic acid -hexoside	C ₂₀ H ₁₆ O ₁₃	-1	12.03	463.0519	300,9988; 299,9910
Pedunculagin isomer	C ₃₄ H ₂₄ O ₂₂	-1	1.65	783.0692	299,0193; 300,9993; 275,0191
di (HHDP-galloyl-hexoside)- pentoside		-2	4.15	707.0637	300,9989; 275,0195; 613,0460; 783,0692
Galloyl-HHDP-hexoside	C ₂₇ H ₂₂ O ₁₈	-1	1.97	633.0734	300,9990; 275,0197
di (HHDP-galloyl-hexoside)- pentoside		-2	4.51	707.0637	300,9989; 613,0460; 275,0195; 633,0740
Galloyl-HHDP-hexoside	C ₂₇ H ₂₂ O ₁₈	-1	2.89	633.0735	300,9990; 275,0197
Pedunculagin isomer	C ₃₄ H ₂₄ O ₂₂	-1	2.52	783.0692	275,0197; 299,0206; 301,0000
Digalloyl-hexoside isomer	C ₂₀ H ₂₀ O ₁₄	-1	8.06	483.0780	169,0132; 125,0232; 331,0669; 313,0567
Digalloyl-hexoside isomer	C ₂₀ H ₂₀ O ₁₄	-1	3.73	483.0782	169,0132; 125,0232; 331,0669; 313,0567
Galloyl-hexoside isomer	C ₁₃ H ₁₆ O ₁₀	-1	1.62	331.0670	271,0461; 169,0131; 125,0230
Ellagic acid-deoxyhexoside	C ₂₀ H ₁₆ O ₁₂	-1	15.35	447.0569	299,9910; 300,9988
Brevifolin	C ₁₂ H ₈ O ₆	-1	11.45	247.0243	191,0341; 219,0301
Galloyl-hexoside isomer	C ₁₃ H ₁₆ O ₁₀	-1	1.92	331.0667	271,0461; 169,0131; 125,0231
Galloyl-hexoside isomer	C ₁₃ H ₁₆ O ₁₀	-1	1.08	331.0670	169,0131; 125,0230; 271,0461; 241,0348
Galloyl-hexoside isomer	C ₁₃ H ₁₆ O ₁₀	-1	1.42	331.0671	169,0131; 125,0230; 271,0461; 241,0349
Pedunculagin isomer	C ₃₄ H ₂₄ O ₂₂	-1	4.77	783.0692	300,9993; 275,0196
Digalloyl-hexoside isomer	C ₂₀ H ₂₀ O ₁₄	-1	2.00	483.0776	169,0132; 125,0232; 331,0669; 313,0567
di (HHDP-galloyl-hexoside)- pentoside		-2	7.71	707.0634	300,9991; 275,0200; 613,0449; 783,0686
Ellagic acid-pentoside	C ₁₉ H ₁₄ O ₁₂	-1	15.07	433.0408	300,9999; 299,9908

For each compound, the chemical formula, the number of negative charges (z), the retention time (RT), the [M-H] - exp (m/z) are shown, as provided by the instrument. Also, the MS2 ions (m/z) corresponding to compound fragmentation profile used to identify the structure of the specific compound are given.

Table S3. Polyphenolic content in PomeGr exposed or not to *C. albicans*.

Levels of polyphenolic compounds				
Compounds	Peak number	PomeGr alone (AUP)	PomeGr + <i>C. albicans</i> (AUP)	% Decrease
Galloyl-hexoside isomer 1	1	$7.82 \times 10^6 \pm 2.71 \times 10^5$	$7.52 \times 10^6 \pm 4.34 \times 10^5$	3.8
HHDP-hexoside isomer 1	2	$3.23 \times 10^7 \pm 1.94 \times 10^6$	$2.75 \times 10^7 \pm 3.92 \times 10^6$	14.9
Citric acid	3	$3.29 \times 10^9 \pm 1.50 \times 10^8$	$3.07 \times 10^9 \pm 1.77 \times 10^8$	6.7
HHDP-hexoside isomer 2	4	$8.47 \times 10^7 \pm 1.98 \times 10^6$	$6.69 \times 10^7 \pm 5.24 \times 10^6$	21.0
Galloyl-hexoside isomer 2	5	$1.35 \times 10^7 \pm 2.03 \times 10^6$	$1.29 \times 10^7 \pm 5.24 \times 10^4$	4.4
Galloyl-hexoside isomer 3	6	$1.02 \times 10^7 \pm 3.40 \times 10^5$	$9.57 \times 10^6 \pm 5.27 \times 10^5$	6.2
Pedunculagin isomer 1	7	$7.43 \times 10^6 \pm 1.61 \times 10^5$	$462 \times 10^6 \pm 3.31 \times 10^5$	37.8
Gallic acid	8	$5.55 \times 10^7 \pm 2.61 \times 10^6$	$5.21 \times 10^7 \pm 2.51 \times 10^5$	6.1
Galloyl-hexoside isomer 4	9	$1.29 \times 10^7 \pm 3.59 \times 10^5$	$1.19 \times 10^7 \pm 6.12 \times 10^5$	7.8
Galloyl-HHDP-hexoside isomer 1	10	$1.39 \times 10^7 \pm 1.68 \times 10^6$	$1.30 \times 10^7 \pm 7.71 \times 10^5$	6.5
Digalloyl-hexoside isomer 1	11	$1.09 \times 10^7 \pm 7.88 \times 10^5$	$8.99 \times 10^6 \pm 6.74 \times 10^5$	17.5
Punicalin	12	$6.48 \times 10^7 \pm 2.40 \times 10^6$	$4.32 \times 10^7 \pm 2.63 \times 10^6$	33.3
Pedunculagin isomer 2	13	$9.07 \times 10^6 \pm 9.81 \times 10^4$	$5.32 \times 10^6 \pm 3.00 \times 10^5$	41.3
Galloyl-HHDP-hexoside isomer 2	14	$1.25 \times 10^7 \pm 1.42 \times 10^6$	$1.01 \times 10^7 \pm 5.31 \times 10^5$	19.2
Punicalagin isomer 1	15	$3.70 \times 10^7 \pm 1.23 \times 10^6$	$2.26 \times 10^7 \pm 1.17 \times 10^6$	38.9
Digalloyl-hexoside isomer 2	16	$8.31 \times 10^6 \pm 8.94 \times 10^4$	$7.25 \times 10^6 \pm 1.99 \times 10^5$	12.8
Granatin isomer 1	17	$2.44 \times 10^6 \pm 8.26 \times 10^4$	$1.57 \times 10^6 \pm 6.60 \times 10^4$	35.7
Di-[hexahydroxydiphenyl (HHDP)-galloyl-hexoside]-pentoside	18	$5.56 \times 10^6 \pm 2.70 \times 10^5$	$3.56 \times 10^6 \pm 2.01 \times 10^5$	36.0
Granatin isomer 2	19	$1.47 \times 10^6 \pm 7.41 \times 10^4$	$8.80 \times 10^5 \pm 1.18 \times 10^5$	40.1
Punicalagin isomer 2	20	$3.61 \times 10^7 \pm 1.02 \times 10^6$	$2.04 \times 10^7 \pm 3.65 \times 10^5$	43.5
Punicalagin isomer 3	21	$8.04 \times 10^7 \pm 8.61 \times 10^5$	$4.78 \times 10^7 \pm 1.51 \times 10^6$	40.5
Brevifolin carboxylic acid	22	$9.55 \times 10^7 \pm 2.09 \times 10^6$	$8.69 \times 10^7 \pm 2.63 \times 10^6$	9.01
Galloyl-HHDP-hexoside isomer 3	23	$9.39 \times 10^7 \pm 2.93 \times 10^6$	$7.30 \times 10^7 \pm 4.98 \times 10^5$	22.3
Ellagic acid -hexoside	24	$1.93 \times 10^7 \pm 3.28 \times 10^5$	n.d.	100
Ellagic acid	25	$4.08 \times 10^7 \pm 2.64 \times 10^6$	$3.75 \times 10^7 \pm 2.46 \times 10^4$	8.1
Ellagic acid-deoxyhexoside	26	$5.21 \times 10^6 \pm 1.51 \times 10^5$	$4.28 \times 10^6 \pm 2.80 \times 10^5$	17.9

Phenolic compounds were identified by HPLC-ESI-MS in PomeGr alone and after incubation with *C. albicans* (24 h). The relative amounts of each polyphenol were measured by the ion chromatogram, according to the peak area of each compound, and were expressed as AUP arbitrary units (tolerance ± 5 ppm). The % decrease was calculated comparing the AUP of treated vs untreated groups. n.d.: compound not detected