

Table S1: Phytochemicals compounds identified in *Physalis peruviana* juice by GC-MS.

Peak	Retention time	Name of the compound	Molecular formula	Molecular weight	Area %
1	5.50 min	Oleic acid, eicosyl ester	C ₃₈ H ₇₆ O ₂	562	5.04
2	6.24 min	Colchifoleine	C ₂₁ H ₂₃ NO ₇	401	1.48
3	6.40 min	3 β ,11 β ,21-Trihydroxy-20-oxo-5 α -pregnan-18-oic acid 18,11-lactone	C ₂₁ H ₃₀ O ₅	362	0.63

4	9.12 min	1-Hydroxy-2-(2,3,4,6-tetra-O-acetyl-beta-D-glucopyranosyl)-9H-xanthene-3,6,7-triyl triacetate	$C_{33}H_{34}O_{18}$	718	0.81
5	9.18 min	kaempferol 3-O-rutinoside	$C_{27}H_{30}O_{15}$	594	1.40
6	10.03 min	3,12-DiketochoLANic acid	$C_{24}H_{36}O_4$	388	2.58
7	10.11 min	alpha-D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-3-O-(trimethylsilyl)-, cyclic methylboronate	$C_{13}H_{26}BNO_6Si$	331	1.62
8	13.67 min	ethyl iso-allocholate	$C_{26}H_{44}O_5$	436	1.99
9	13.83 min	Quercetin 3,4',7-trimethyl ether	$C_{18}H_{16}O_7$	344	3.11
10	14.00 min	Folic Acid	$C_{19}H_{19}N_7O_6$	441	0.95
11	14.84 min	1,25-Dihydroxyvitamin D2	$C_{28}H_{44}O_3$	428	1.27
12	15.20 min	Docosane	$C_{22}H_{46}$	310	0.93
13	17.00 min	3-Hydroxy-4,4-dimethyl-7-oxoandrost-5-en-17-yl acetate	$C_{23}H_{34}O_4$	374	0.71
14	17.07 min	(5β)Pregnane-3,20β-diol, 14α,18α-[4-methyl-3-oxo-(1-oxa-4-azabutane-1,4-diyl)], diacetate	$C_{28}H_{43}NO_6$	489	1.45
15	21.66 min	Pregna-4,6-diene-21-carboxylic acid, 17-hydroxy-3-oxo-, γ-lactone	$C_{22}H_{28}O_3$	340	0.75
16	24.96 min	Hexadecatrienoic acid, methyl ester	$C_{17}H_{28}O_2$	264	0.64

17	25.43 min	beta-k-strophanthin	$C_{36}H_{54}O_{14}$	710	2.48
18	27.07 min	2,2,4,9,11,11-Hexamethyl dodecane	$C_{18}H_{38}$	254	0.66
19	28.24 min	Cholest-5-en-3-one	$C_{27}H_{44}O$	384	0.63
20	29.35 min.	9,12,15-Octadecatrienoic acid (2-phenyl-1,3-dioxolan-4-yl)methyl ester	$C_{28}H_{40}O_4$	440	0.89
21	31.34 min	9-cis-Hexadecenoic acid	$C_{34}H_{64}O_2$	504	0.93
22	33.63 min	3,7,11-Trihydroxypregnan-20-one	$C_{21}H_{34}O_4$	350	0.99
23	34.16 min	Ceanothine C	$C_{26}H_{38}N_4O_4$	470	1.26
24	35.42 min	Methyl-9,9,10,10-D4-octadecanoate	$C_{19}H_{34}D_4O_2$	298	4.01
25	39.21 min	Lucenin-2	$C_{27}H_{30}O_{16}$	610	1.50
26	39.73 min	Betulin	$C_{30}H_{50}O_2$	442	0.62
27	47.70 min	(5 α)Pregnane-3,20 α -diol	$C_{28}H_{43}NO_6$	489	0.97
28	48.35 min	Anodendroside G, monoacetate	$C_{32}H_{42}O_{11}$	602	0.64
29	54.18 min	7,8-Epoxy lanostan-11-ol, 3-acetoxy-	$C_{32}H_{54}O_4$	502	0.61
