

Hepatoprotective effect of date palm fruit extract against doxorubicin intoxication in Wistar rats: *In vivo* and *in silico* studies

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Supplementary Table 1. Chemical fingerprint of Date Palm Fruit (DPF) obtained via GC-MS analysis.

PK	RT (min)	Peak width (min)	Library/ID	Mwt	Chemical formula	M/Z
1	8.185	0.084	Glycerol	362.64	C ₁₄ H ₃₀ O ₅ Si ₃	205
2	9.72	0.035	L-Threitol, 4TMS derivative	410.22	C ₁₆ H ₄₂ O ₄ Si ₄	73
3	10.192	0.02	L-(+)-Threose, tris (trimethylsilyl) ether, trimethylsilyloxime	423.84	C ₁₆ H ₄₁ NO ₄ Si ₄	73
4	10.917	0.027	D-(+)-Arabitol,	513.05	C ₂₀ H ₅₂ O ₅ Si ₅	73
5	11.272	0.031	2-Pentenedioic acid, 2-[(trimethylsilyl)oxy]-, bis(trimethylsilyl) ester	362.64	C ₁₄ H ₃₀ O ₅ Si ₃	73
6	11.489	0.027	D-(-)-Tagatofuranose, pentakis (trimethylsilyl) ether (isomer 1)	541.06	C ₂₁ H ₅₂ O ₆ Si ₅	73
7	11.611	0.024	D-Pinitol, pentakis (trimethylsilyl) ether	555.08	C ₂₂ H ₅₄ O ₆ Si ₅	73
8	12.087	0.029	D-Sorbitol, 6TMS derivative	615.00	C ₂₄ H ₆₂ O ₆ Si ₆	73
9	12.119	0.021	D-(+)-Galactose, pentakis (trimethylsilyl) ether, pentafluorobenzyloxime (isomer 1)	646.20	C ₂₈ H ₅₉ NO ₆ Si ₅	73
10	12.156	0.024	D-Mannitol, 6TMS derivative	615.25	C ₂₄ H ₆₂ O ₆ Si ₆	73
11	12.336	0.023	D-Glucopyranose (5TMS derivative)	541.06	C ₂₁ H ₅₂ O ₆ Si ₅	204
12	12.49	0.04	L-(+)-Tartaric acid (4TMS derivative)	438.81	C ₁₆ H ₃₈ O ₆ Si ₄	73
13	12.596	0.431	Palmitic acid (TMS derivative)	328.60	C ₁₉ H ₄₀ O ₂ Si	313
14	13.305	0.041	3-Heptadecen-5-yne, (Z)	234.23	C ₁₇ H ₃₄	79
15	13.491	0.034	Stearic acid	356.65	C ₂₁ H ₄₄ O ₂ Si	117
16	13.385	1.3746	9-Octadecenoic acid [(E)-TMS derivative]	354.6425	C ₂₁ H ₄₂ O ₂ Si	73.0
17	15.6884	0.0359	Fumaric acid [di (2-propylphenyl) ester]	352.4236	C ₂₂ H ₂₄ O ₄	217
18	13.385	1.3746	alpha.-Linolenic acid	354.64	C ₂₁ H ₄₂ O ₂ Si	75

(PK = peak, RT = retention time, Area Pct = peak area, Mwt = molecular weight).