

Table S1. The fatty acids from *P. spinosa* L. fruits

FATTY ACIDS		References		
		Babalau-Fuss et al, 2021 [41]	Özcan*and Bayçu, 2008 [58]	Barros et al, 2010 [52]
		Concentration %		
	Total FATTY ACIDS of which:	28.60	0.22	1.98
SFA	of which:	18.80	56.56	15.16
	Caprylic (C8:0)	nd	nd	0.01
	Capric (C10:0)	nd	nd	0.02
	Lauric (C12:0)	nd	1.10	0.10
	Miristic (C14:0)	nd	1.61	0.09
	Pentadecanoic (C15:0)	nd	nd	0.03
	Palmitic (C16:0)	4.80	34.0	6.50
	Margaric (C17:0)	5.10	nd	0.11
	Stearic (C18:0)	0.05	16.20	2.51
	Arahdic (C20:0)	nd	1.17	0.56
	Behenic (C22:0)	nd	nd	0.32
	Tricosilic (C23:0)	nd	nd	4.42
MUFA	Oleic - ω9 (C18:1)	46.20	22.73	57.58
	Eicosenoic (C20:1)	nd	nd	0.06
	Heptadecenoic (C17:1)	nd	nd	0.10
	Palmitoleic (C16:1)	nd	nd	0.67
PUFA	of which:	34.54	12.95	26.40
	Linoleic ω6 (C18:2, n-6)	32.60	6.07	23.57
	Eicosatrioneic ω6 (C20:3, n-6))	nd	3.17	nd
	Gamma-linolenic ω6 (C18:2, n-6)	nd	1.76	nd
	Eicosatrienoic ω3 (C20:3, n-3)	nd	nd	0.03
	Alfa-linolenic ALA ω3 (C18:3, n-3),	0.86	1.95	2.79
	ΣSFA	18.86	56.56	15.16
	ΣMUFA	46.20	20.85	58.45
	ΣPUFA	34.54	12.95	26.40
	PUFAs/SFAs ratio	1.83	0.23	1.74

nd-not determined; SFA - Saturated fatty acids; MUFA - monounsaturated fatty acid, PUFA - polyunsaturated fatty acids.