

S2_Table. Data of phytosterol profile of *S. marianum*, *S. eburneum*, and commercial *S. marianum* seed oils (mg/Kg of oil)

Phytosterols	<i>S. marianum</i>			<i>S. eburneum</i>			<i>S. marianum</i> commercial (Compagnie des sens)		
	1	2	3	1	2	3	1	2	3
<i>Unknown 1</i>	ND	ND	ND	35.843	36.918	34.768	18.375	18.926	17.824
<i>Campesterol</i>	195.687	201.557	189.816	556.087	572.769	539.404	266.298	274.287	258.309
<i>Stigmasterol</i>	345.965	356.344	335.586	269.951	278.050	261.853	301.945	311.003	292.886
<i>Unknown 2</i>	14.489	14.924	14.054	88.234	90.881	85.587	91.572	94.319	88.825
Δ^7 <i>Campesterol</i>	140.933	145.161	136.705	93.005	95.796	90.215	135.711	139.782	131.640
<i>Sitosterol</i>	1511.815	1557.170	1466.461	1861.892	1917.748	1806.035	1598.607	1646.565	1550.648
Δ^5 <i>Avenasterol</i>	64.847	66.792	62.901	178.072	183.414	172.730	63.110	65.003	61.216
β <i>Amyrin</i>	215.659	222.129	209.190	116.458	119.952	112.964	151.926	156.484	147.369
<i>Unknown 3</i>	63.056	64.948	61.164	34.342	35.373	33.312	47.828	49.263	46.393
Δ^7 <i>Stigmasterol</i>	1333.318	1373.318	1293.319	365.820	376.795	354.846	1167.760	1202.792	1132.727
Δ^7 <i>Avenasterol</i>	83.185	85.681	80.690	141.896	146.153	137.639	27.986	28.826	27.147
<i>24-methylene cycloartenol</i>	85.766	88.339	83.193	130.769	134.692	126.846	94.137	96.961	91.313
<i>Epoxytosterol</i>	94.530	97.366	91.694	166.412	171.404	161.420	177.236	182.553	171.919
<i>Citrostadienol</i>	27.641	28.470	26.812	43.767	45.080	42.454	67.169	69.184	65.154
<i>Cholesterol</i>	323.113	332.806	313.419	646.170	665.556	626.785	560.541	577.357	543.725
Total content	4500.004	4635.005	4365.004	4728.720	4870.581	4586.858	4770.201	4913.307	4627.095