

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Serenoa repens*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	1-MONOLAURIN	Fruit				--
6	1-MONOMYRISTIN	Fruit				--
6	ANTHRANILIC-ACID	Fruit				--
101	APIGENIN	Fruit				By assumption; if a glycoside is reported, it is automatically assumed that the aglycone is present also in the plant, though sometimes in traces only.
112	ASCORBIC-ACID	Fruit	11.0	88.0	-0.27901743011351393	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Fruit	3.0	24.0	-0.1044090615440342	--
47	BETA-SITOSTEROL	Fruit	33.0	281.0	-0.42504048544050566	--
6	BETA-SITOSTEROL-D-GLUCOSIDE	Fruit		220.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Fruit	605.0	4640.0	0.18085004106340866	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	CAMPESTEROL	Fruit	28.0	90.0	0.10490824541035179	--
3	CAPRIC-ACID	Seed Oil				--
3	CAPRIC-ACID	Fruit	1000.0	3200.0	1.413939973823674	--
1	CAPROIC-ACID	Seed Oil				--
1	CAPROIC-ACID	Fruit	600.0	1920.0		--
5	CAPRYLIC-ACID	Seed Oil				--
5	CAPRYLIC-ACID	Fruit	920.0	13000.0		--
24	CHROMIUM	Fruit	0.2	1.4	-0.3109918416443979	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	COBALT	Fruit	0.6	5.0	0.07018107914482831	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
7	CYCLOARTENOL	Fruit				--

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5	DAUCOSTEROL	Fruit	47.0	416.0		--
3	DECANOIC-ACID	Fruit				--
17	FARNESOL	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
61	FERULIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	FRUCTOSE	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	GALACTOSE	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
11	GERANYL-GERANIOL	Fruit		16.0		--
7	GLUCOSE	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
4	GLUCURONIC-ACID	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	GLYCEROL	Seed Oil				--
6	IRON	Fruit	9.0	66.0	-0.26568397107756236	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
22	ISOQUERCITRIN	Fruit				--
75	KAEMPFEROL	Fruit				By assumption; if a glycoside is reported, it is automatically assumed that the aglycone is present also in the plant, though sometimes in traces only.
4	KAEMPFEROL-3-O-GLUCOSIDE	Fruit				--
7	LAURIC-ACID	Fruit	12080.0	240000.0	2.5127886336588405	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	LAURIC-ACID	Seed				--
27	LINOLEIC-ACID	Fruit	1840.0	36000.0	0.15250551841720983	--
21	LUPEOL	Fruit				--
65	MAGNESIUM	Fruit	510.0	3930.0	0.8336264369951842	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	MANGANESE	Fruit	1.2	8.9	-0.3448520509579119	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
18	MANNITOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	MANNITOL	Seed Oil				--
3	MANNOSE	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	MYRISTIC-ACID	Seed				--
6	MYRISTIC-ACID	Fruit	4800.0	116000.0	5.20324818328259	--
39	NIACIN	Fruit	10.0	75.0	0.19119140633704487	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
18	OLEIC-ACID	Seed				--
18	OLEIC-ACID	Fruit	11400.0	332000.0	2.0780900532057363	--
25	P-COUMARIC-ACID	Fruit Juice				--
13	P-HYDROXY-BENZOIC-ACID	Plant				--
4	P-HYDROXYBENZALDEHYDE	Plant				--
13	PALMITIC-ACID	Seed				--
13	PALMITIC-ACID	Fruit	3800.0	87000.0	0.9888703977409701	--
24	PECTIN	Fruit	605.0	4640.0	-0.5751588917297177	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Fruit	2105.0	16200.0	3.94375903676458	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	PHYTOL	Fruit				--
2	PHYTOSTEROLS	Fruit		128.0	-1.0530092799127762	--
14	POTASSIUM	Fruit	2325.0	17900.0	-0.00146044676900111	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	RHOIFOLIN	Fruit				--
2	RHOIFOLIN	Plant				Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
15	RIBOFLAVIN	Fruit	1.0	7.3	0.4905916673393905	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
87	RUTIN	Fruit				--
60	SELENIUM	Fruit	0.3	2.6	0.2585513872614546	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	SILICON	Fruit	1.0	7.8	-0.5831009322457926	--
1	SODIUM	Fruit	65.0	495.0	-0.1370104923804784	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
11	SORBITOL	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
8	STEARIC-ACID	Fruit	720.0	2305.0	-0.12635840819349412	--
8	STEARIC-ACID	Seed				--
12	STIGMASTEROL	Fruit	12.0	38.0	-0.6454844173695994	--
4	SYRINGALDEHYDE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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6	SYRINGIC-ACID	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Stem		54800.0	-0.5063597006118161	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Root		75800.0	-0.020511406931147124	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	THIAMIN	Fruit	0.6	5.0	-0.0425885992841977	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	TRIACONTAN-1-OL	Fruit				--
2	TRIDECANOIC-ACID	Fruit				--
24	VANILLIC-ACID	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	VANILLIN	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	XYLOSE	Fruit				--
77	ZINC	Fruit	0.7	5.2	-0.7552020844764787	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.