

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Serenoa repens*

Activity 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	88	-0.27901743011351393	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Fruit	3	24	-0.1044090615440342	
47	BETA-SITOSTEROL	Fruit	33	281	-0.42504048544050566	
6	BETA-SITOSTEROL-D-GLUCOSIDE	Fruit	220	220		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Fruit	605	4640	0.18085004106340866	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	CAMPESTEROL	Fruit	28	90	0.10490824541035179	
3	CAPRIC-ACID	Fruit	1000	3200	1.413939973823674	
3	CAPRIC-ACID	Seed Oil	--	--		
1	CAPROIC-ACID	Fruit	600	1920		
1	CAPROIC-ACID	Seed Oil	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	CAPRYLIC-ACID	Fruit	920	13000		
5	CAPRYLIC-ACID	Seed Oil	--	--		
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	0.07018107914482831	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
7	CYCLOARTENOL	Fruit	--	--		
5	DAUCOSTEROL	Fruit	47	416		
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		
7	GLUCOSE	Fruit	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	66	-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	240000	2.5127886336588405	
7	LAURIC-ACID	Seed	--	--		
27	LINOLEIC-ACID	Fruit	1840	36000	0.15250551841720983	
21	LUPEOL	Fruit	--	--		
65	MAGNESIUM	Fruit	510	3930	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	Seed Oil	--	--		
18	MANNITOL	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	Fruit	4800	116000	5.20324818328259	
6	MYRISTIC-ACID	Seed	--	--		
39	NIACIN	Fruit	10	75	0.19119140633704487	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
18	OLEIC-ACID	Fruit	11400	332000	2.0780900532057363	
18	OLEIC-ACID	Seed	--	--		
25	P-COUMARIC-ACID	Fruit Juice	--	--		
13	P-HYDROXY-BENZOIC-ACID	Plant	--	--		
4	P-HYDROXYBENZALDEHYDE	Plant	--	--		
13	PALMITIC-ACID	Fruit	3800	87000	0.9888703977409701	
13	PALMITIC-ACID	Seed	--	--		
24	PECTIN	Fruit	605	4640	-0.5751588917297177	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	PHOSPHORUS	Fruit	2105	16200	3.94375903676458	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	PHYTOL	Fruit	--	--		
2	PHYTOSTEROLS	Fruit	--	128	-1.0530092799127762	
14	POTASSIUM	Fruit	2325	17900	-0.00146044676900111	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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)
2	RHOIFOLIN	Fruit	--	--		
15	RIBOFLAVIN	Fruit	1	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	7.8	-0.5831009322457926	
1	SODIUM	Fruit	65	495	-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	2305	-0.12635840819349412	
8	STEARIC-ACID	Seed	--	--		
12	STIGMASTEROL	Fruit	12	38	-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.
6	SYRINGIC-ACID	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	TANNIN	Root	75800	75800	-0.020511406931147124	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Stem	54800	54800	-0.5063597006118161	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	-0.0425885992841977	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.