

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Portulaca oleracea*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-(3,4-DIHYDROXYPHENYL)ALANINE	Plant				--
3	ALANINE	Herb	570.0	13400.0	-1.0	--
0	ALKALOIDS	Leaf		300.0	-0.5894926233455317	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	ALPHA-LINOLENIC-ACID	Herb	4000.0	80000.0		--
0	ARABINOSE	Plant				--
14	ARGININE	Herb	520.0	10400.0	-1.0	--
0	ASCORBATE	Plant	224.0	5230.0	1.0	--
112	ASCORBIC-ACID	Herb	105.0	7000.0	-1.0	--
0	ASH	Herb	14000.0	159090.0	-1.0	--
0	ASPARAGIC-ACID	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ASPARTIC-ACID	Herb	770.0	19600.0	-1.0	--
1	BEHENIC-ACID	Seed		2262.0	-0.4663531749984664	--
53	BETA-CAROTENE	Herb	11.0	4650.0	1.0	--
0	BETA-CYANIN	Herb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
47	BETA-SITOSTEROL	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Herb	780.0	20800.0	-1.0	--
4	CALCIUM-OXALATE	Herb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARBOHYDRATE	Herb	35500.0	632000.0		--
0	CARBOHYDRATES	Herb	35500.0	632000.0	1.0	--
22	CATECHOL	Plant				--
1	CELLULOSE	Je	105000.0	132000.0		--
1	CELLULOSE	Herb	105000.0	132000.0		--
7	CHLORINE	Herb	730.0	7300.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
21	CHLOROPHYLL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	CITRIC-ACID	Plant		5100.0	-0.4442259874778297	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	COPPER	Herb	2.0	19.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	COUMARINS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	CYSTINE	Herb	100.0	4200.0	1.0	--
0	DIGALACTOSYLDIACYLGLYCEROL	Herb				--
0	DOCOSAHEXAENOIC-ACID	Herb				--
1	DOPA	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
20	DOPAMINE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
21	EICOSAPENTAENOIC-ACID	Herb		10.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Seed		174000.0	-0.48137113233319717	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	FAT	Herb	1900.0	63000.0	1.0	--
61	FERULIC-ACID	Plant				--
15	FIBER	Herb	8100.0	137000.0	1.0	--
0	FLAVONOIDS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
15	FOLACIN	Plant				--
8	FRUCTOSE	Plant				--
1	GALACTOSE	Plant				--
7	GLUCOSE	Herb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GLUTAMIC-ACID	Herb	1500.0	33792.0	-1.0	--
7	GLUTATHIONE	Herb	115.0	2960.0		--
12	GLYCINE	Herb	460.0	11000.0	-1.0	--
9	HCN	Plant				--
7	HISTIDINE	Herb	220.0	5170.0	-1.0	--
6	IRON	Herb	8.0	467.0	1.0	--
3	ISOLEUCINE	Herb	530.0	11400.0	1.0	--
0	KILOCALORIES	Herb	260.0	2955.0	1.0	--
0	L-NORADRENALIN	Plant		2500.0		--
2	LEUCINE	Herb	880.0	19900.0	-1.0	--
27	LINOLEIC-ACID	Seed		67686.0	-0.33789324788076114	--
27	LINOLEIC-ACID	Herb	704.0	18245.0		--
0	LINOLENIC-ACID	Seed		17226.0	-0.27913887999890424	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LINOLENIC-ACID	Herb	3221.0	64315.0		--
4	LYSINE	Herb	650.0	13200.0	-1.0	--
65	MAGNESIUM	Herb	670.0	18700.0	1.4139912257018183	--
15	MALIC-ACID	Plant		5100.0	1.4110455698284867	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	MANGANESE	Plant				--
15	METHIONINE	Herb	90.0	2814.0	-1.0	--
0	MONOGALACTOSYLDIACYLGLYCEROL	Herb				--
3	MUCILAGE	Plant		4200.0	-1.510599546614006	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	MYRISTIC-ACID	Herb	7.0	140.0		--
39	NIACIN	Herb	5.0	79.0	-1.0	--
0	NOREPINEPHRINE	Plant		2500.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
18	OLEIC-ACID	Herb	16.0	2160.0		--
18	OLEIC-ACID	Seed		49935.0	-0.5686051922419176	--
0	OLERACIN-I	Plant				--
0	OLERACIN-II	Plant				--
0	OMEGA-3'S	Plant		30000.0		--
0	OXALATES	Shoot		13100.0		Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
9	OXALIC-ACID	Plant	1679.0	16790.0	-0.3939567654076973	--
13	PALMITIC-ACID	Herb	616.0	18966.0		--
2	PALMITOLEIC-ACID	Herb	140.0	2940.0		--
11	PANTOTHENIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	PHENYLALANINE	Herb	580.0	11500.0	-1.0	--
2	PHOSPHATIDYL-CHOLINE	Plant				--
0	PHOSPHATIDYL-ETHANOLAMINE	Plant				--
0	PHOSPHATIDYL-GLYCEROL	Leaf				--
0	PHOSPHATIDYL-INOSITOL	Leaf				--
0	PHOSPHATIDYL-SERINE	Leaf				--
4	PHOSPHORUS	Herb	320.0	7740.0	-1.0	--
0	PHYTIN-P	Plant	4.0	40.0		--
14	POTASSIUM	Herb	4880.0	81200.0	1.0653123191033667	--
0	PROLINE	Herb	540.0	13200.0	-1.0	--
0	PROTEIN	Herb	13000.0	260000.0	-1.0	--
0	RESIN	Plant		24000.0	-0.7505233887766023	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Herb	1.0	23.0	-1.0	--
0	SAPONIN	Plant				--
5	SAPONINS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	SERINE	Herb	450.0	8440.0	-1.0	USDA's Ag Handbook 8 and sequelae)
9	SINAPIC-ACID	Plant				--
1	SODIUM	Herb	440.0	7400.0	-1.0	--
8	STEARIC-ACID	Seed		6438.0	-0.4257073017947295	--
14	SUCROSE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SULFOLIPIDS	Plant				--
14	SULFUR	Plant	630.0	6300.0	1.0381229791809672	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	TANNIN	Plant				--
31	THIAMIN	Herb	1.0	10.0	-1.0	--
4	THREONINE	Herb	470.0	9400.0	-1.0	--
93	TOCOPHEROL	Plant	82.0	2309.0		--
29	TRYPTOPHAN	Herb	160.0	3400.0	-1.0	--
8	TYROSINE	Herb	220.0	4400.0	-1.0	--
0	UREA	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	VALINE	Herb	660.0	13200.0	-1.0	--
0	VIT-B-6	Plant				--
0	WATER	Herb	912000.0	950000.0	0.6547832409558022	--
77	ZINC	Shoot	3.0	60.0	-0.679627042127225	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.