

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Taraxacum officinale*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Flower				--
112	ASCORBIC-ACID	Root	54.0	376.0	-0.4310352549627957	--
112	ASCORBIC-ACID	Leaf	18.0	6520.0	0.16105282120258035	--
102	CAFFEIC-ACID	Flower				--
102	CAFFEIC-ACID	Plant				--
78	LUTEOLIN	Flower				--
77	CHLOROGENIC-ACID	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
77	ZINC	Root	0.2	1.3	-1.0020091531784148	--
77	ZINC	Leaf	21.0	230.0	0.8847458901948265	--
65	MAGNESIUM	Leaf	360.0	2500.0	-0.6277550204208067	--
65	MAGNESIUM	Root	225.0	1570.0	-0.5276062015707126	--
61	FERULIC-ACID	Flower				--
60	SELENIUM	Root	0.1	0.9	-0.29843000767864497	--
53	BETA-CAROTENE	Flower				--
53	BETA-CAROTENE	Leaf	40.0	583.0	1.4009946671295506	--
53	BETA-CAROTENE	Root	12.0	84.0	0.10069386823526054	--
47	BETA-SITOSTEROL	Flower				--
47	BETA-SITOSTEROL	Root		214.0	-0.27068071366460006	--
47	BETA-SITOSTEROL	Plant				--
44	SCOPOLETIN	Flower				--
43	PROTocatechuic-ACID	Flower				--
39	NIACIN	Leaf	8.0	71.0	-0.32234447241033354	--
39	NIACIN	Root	4.7	33.1	-0.4967243334991701	--
35	TANNIN	Root				--
32	AESCULETIN	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
32	ALPHA-TOCOPHEROL	Leaf		170.0	-0.5547164006283091	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
31	THIAMIN	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
31	THIAMIN	Leaf	1.0	17.0	1.8121416088410889	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Root	878.0	6140.0	-0.13829986219334658	--
28	CALCIUM	Plant	12000.0	21000.0	0.7926875803133279	Chem. & Pharm. Bull. 38: 2205.
28	CALCIUM	Leaf	1870.0	42232.0	1.6258439789322057	--
27	LINOLEIC-ACID	Pollen Or Spore				--
27	LINOLEIC-ACID	Root				--
25	P-COUMARIC-ACID	Flower				--
25	P-COUMARIC-ACID	Plant				--
24	PECTIN	Root	17160.0	120000.0	-0.14497379746592196	--
24	VANILLIC-ACID	Flower				--
24	CHROMIUM	Root	0.1	0.9	-0.3805576061834531	--
24	CHROMIUM	Leaf	0.2	50.0	3.6279964032474075	--
22	ISOQUERCITRIN	Flower				--
20	CHOLINE	Root	390.0	1120.0	-0.280909507435247	--
20	LECITHIN	Root				--
20	LECITHIN	Flower		29700.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
19	INULIN	Root	42900.0	300000.0	0.05809078622496001	--
19	INULIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Root				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
18	OLEIC-ACID	Pollen Or Spore				--
18	MANNITOL	Root				--
15	FIBER	Root		89000.0	0.01972306003706211	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	LUTEIN	Flower				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
15	RIBOFLAVIN	Root	0.3	2.1	-0.4321138905848174	--
15	FIBER	Leaf	4000.0	126110.0	-0.43806976219057964	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Leaf	1.0	18.0	-0.09348678211643267	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Root	1716.0	12000.0	-0.2766954649326155	--
14	POTASSIUM	Leaf	3970.0	30000.0	-0.01519366768525743	--
14	SULFUR	Plant	2600.0	3300.0	-0.2375519291864939	Chem. & Pharm. Bull. 38: 2205.
14	SUCROSE	Plant				--
14	MANGANESE	Leaf	14.0	206.0	-0.1174194411964242	--
14	SUCROSE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	MANGANESE	Root	1.0	6.8	-0.4646750389625507	--
14	MANGANESE	Plant	100.0	130.0	0.23682926226746964	--
13	COUMESTROL	Plant				--
13	PALMITIC-ACID	Pollen Or Spore				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Root				--
12	COPPER	Leaf	4.0	49.0	0.5873423835723849	--
12	IODINE	Leaf				Chem. & Pharm. Bull. 38: 2205.
12	STIGMASTEROL	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
12	STIGMASTEROL	Root				--
12	COPPER	Root	3.0	28.0	1.8022668436014682	--
11	NICOTINIC-ACID	Root				--
11	ISORHAMNETIN	Flower				--
9	OXALIC-ACID	Leaf		1700.0	-0.42631261700793327	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
9	BETA-AMYRIN	Flower				--
9	BETA-AMYRIN	Root				--
8	INOSITOL	Root				--
8	FRUCTOSE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	STEARIC-ACID	Pollen Or Spore				--
8	INOSITOL	Latex Exudate				--
8	GLYCEROL	Latex Exudate				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GLUTAMIC-ACID	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
7	CYCLOARTENOL	Plant				--
7	CYCLOARTENOL	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
7	GLUCOSE	Root		5000.0	-0.7978070163798161	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
7	CHLORINE	Leaf	5300.0	22000.0	2.379246850295476	--
7	CYCLOARTENOL	Pollen Or Spore				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
7	LUTEOLIN-7-GLUCOSIDE	Leaf				--
7	LAURIC-ACID	Pollen Or Spore				--
6	QUERCIMERITRIN	Flower				--
6	MYRISTIC-ACID	Pollen Or Spore				--
6	IRON	Root	14.0	96.0	-0.3021853183050419	--
6	IRON	Leaf	31.0	900.0	1.3606856309173474	--
6	TARTARIC-ACID	Plant				--
6	TARTARIC-ACID	Root				--
5	ALUMINUM	Root	94.0	656.0	0.03950108174380199	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	DAUCOSTEROL	Root		480.0	0.12645077462758925	--
4	SILICON	Root	0.7	4.7	-0.3213144079930342	--
4	TIN	Root	2.0	13.0	-0.35437186016542255	--
4	BORON	Leaf	4.0	125.0	1.7366562696479586	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
4	PHOSPHORUS	Root	518.0	3620.0	0.01796753238811398	--
4	PHOSPHORUS	Leaf	590.0	5268.0	0.054560501723326035	--
3	CADMIUM	Root	0.04	2.6	1.7629139450449156	--
3	NICKEL	Root	0.3	5.6	1.9774503536381358	--
3	CADMIUM	Leaf	0.2	5.0	1.0824728791014093	--
3	NICKEL	Plant				--
3	CAPRIC-ACID	Pollen Or Spore				--
3	MUCILAGE	Root	11000.0	85000.0	-0.5660471669302359	--
3	XYLOSE	Plant				--
3	BETA-SITOSTEROL-3-O-BETA-D-GLUCOPYRANOSIDE	Root				--
3	XANTHOPHYLL	Plant				--
3	NICKEL	Leaf	0.4	5.6	-0.3163758105813781	--
3	CYNAROSIDE	Flower				--
2	ARSENIC	Leaf				Chem. & Pharm. Bull. 38: 2205.
2	CRYPTOXANTHIN	Flower				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CAMPESTEROL	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
2	TARAXASTEROL	Root				--
2	MOLYBDENUM	Plant				Chem. & Pharm. Bull. 38: 2205.
2	COBALT	Root	1.0	8.0	-0.3715682083878844	--
2	FARADIOL	Plant				--
2	TARAXEROL	Root				--
2	VIOLAXANTHIN	Flower				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	TARAXASTEROL	Latex Exudate				--
2	TARAXASTEROL	Flower				--
2	FARADIOL	Flower				--
2	PHYTOSTEROLS	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
1	ARNIDIOL	Flower				--
1	PENTADECANOIC-ACID	Pollen Or Spore				--
1	TARAXINIC-ACID-1'-O-BETA-D-GLUCOPYRANOSIDE	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
1	ANEURINE	Plant				--
1	TARAXINIC-ACID-1'-O-BETA-D-GLUCOPYRANOSIDE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	LEVULOSE	Plant				--
1	MYRISTOLEIC-ACID	Pollen Or Spore				--
1	SODIUM	Root	162.0	1130.0	0.013372462792456278	--
1	TARAXINIC-ACID-1'-O-BETA-D-GLUCOPYRANOSIDE	Flower				--
1	SODIUM	Leaf	760.0	5300.0	0.2940315620523972	--
1	TYROSINASE	Root				--
0	CHRYSANTHEMAXANTHIN	Plant				--
0	CIS-LUTEIN-5,6-EPOXIDE	Plant				--
0	11,13-DIHYDROTARAXINACETYL-1'-O-GLUCOSIDES	Plant				--
0	TARAXANTHIN	Plant				--
0	LEAD	Plant				--
0	TARAXACUM-OFFICINALE-GLYCOSIDE-TA-3	Flower				--
0	3,4-DIHYDROXYCINNAMIC-ACID	Root				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	LUTEIN-EPOXIDE	Plant				--
0	11,13-DIHYDROTARAXIN-ACID-BETA-D-GLUCOPYRANOSYL-ESTER	Plant				--
0	3,7-BETA-D-DIGLUCOSIDE-ISORHAMNETIN	Flower				--
0	TITANIUM	Plant	58.0	330.0	1.6469635463189243	Chem. & Pharm. Bull. 38: 2205.
0	BROMINE	Leaf	30.0	80.0	0.7866803281462408	Chem. & Pharm. Bull. 38: 2205.
0	HEXADECADIENOIC-ACID	Pollen Or Spore				--
0	BETA-SITOSTEROL-BETA-D-GLUCOPYRANOSIDE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CYCLOARTANOL	Plant				--
0	PSEUDOTARAXASTEROL-ACETATE	Root		280.0		--
0	TARAXACOSIDE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	LACTUCEROL	Plant				--
0	TARAXACUM-OFFICINALE-GLYCOSIDE-TA-2	Flower				--
0	29-NORCYCLOARTANOL	Pollen Or Spore				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	CERYL-ALCOHOL	Root				--
0	LINOLENIC-ACID	Pollen Or Spore				--
0	FIBER(CRUDE)	Root		89000.0	-0.65885994844302	--
0	GERMACRANOLIDE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	HEPTADECENOIC-ACID	Pollen Or Spore				--
0	ARABINOSE	Plant				--
0	CAROTENE	Plant				--
0	CRYPTOXANTHIN-EPOXIDE	Flower				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	LUTEIN-ESTER	Flower				--
0	TARAXACINE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KILOCALORIES	Root		2650.0	-1.577890054797762	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	TARAXACUM-OFFICINALE-GLYCOSIDE-TA-1	Flower				--
0	VIT-D	Plant				Madaus, G. 1976. Lehrbuch der Biologischen Hilfsmittel. Vol., 1-3. 2862 pp. (+ 144 p. index). Georg Olms Verlag, Hildesheim. Reprint of 1938 Madaus.
0	CAOUTCHOUC	Plant		3000.0	-0.8257102586581143	--
0	CERYL-ALCOHOL	Latex Exudate				Perry, Lily M. 1980. Medicinal Plants of East and Southeast Asia. MIT Press. Cambridge, Massachusetts. 620 pp.
0	EO	Root	715.0	5000.0	-0.41927924121066534	--
0	SAPONIN	Plant				--
0	HEPTADECADIENOIC-ACID	Pollen Or Spore				--
0	POLLINASTANOL	Plant				--
0	APIGENIN-7-GLUCOSIDE	Leaf				--
0	TARAXACERINE	Root				--
0	TARAXACOLIDE-1'-O-BETA-D-GLUCOSIDE	Root		60.0		--
0	CEROTIC-ACID	Root				--
0	LEVULIN	Root		187000.0		--
0	JASMONIC-ACID	Flower				--
0	SACCHAROSE	Root		11000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FLAVOXANTHIN	Flower				--
0	MARGARIC-ACID	Pollen Or Spore				--
0	HENEICOSAN-1-OIC-ACID	Pollen Or Spore				--
0	LUTEIN-EPOXIDE	Flower				--
0	2-CARBOXYARABINITOL	Leaf		356.0	0.2307361932056534	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ASH	Leaf	18000.0	205000.0	1.5178274206549958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	11,13-DIHYDROTARAXIN-ACID-BETA-D-GLUCOPYRANOSYL-ESTER	Root				--
0	TARAXACIN	Root				--
0	TARAXINACETYL-1'-O-GLUCOSIDES	Plant				--
0	ASPARAGINIC-ACID	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	CARBOHYDRATES	Root	107107.0	749000.0	-1.0400752461191412	--
0	JASMONIC-ACID	Bud				--
0	RUBIDIUM	Plant	19.0	50.0	2.2655367486967726	Chem. & Pharm. Bull. 38: 2205.
0	LUTEOLIN-7-O-RHAMNOGLUCOSIDE	Flower				--
0	BETA-SITOSTEROL-GLUCOSIDES	Plant				--
0	LEAD	Root	0.1	13.6	2.753393095717452	--
0	VIOLAXANTHIN-LINEOLEATE-LINOLENATE	Pollen Or Spore				--
0	CYCLOARTANOL	Pollen Or Spore				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	P-HYDROXYPHENYLACETIC-ACID	Shoot		10.0		--
0	ANDROSTEROL	Plant				--
0	ANTHERAXANTHIN-ESTER	Flower				--
0	ZEAXANTHIN-ESTER	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TARAXACOLIDE-1'-O-GLUCOSIDES	Plant				--
0	CARBOHYDRATES	Leaf	37000.0	639000.0	0.2159161506572358	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	LUTEOLIN-7-O-GENTIOBIOSIDE	Flower				--
0	TARAXOL	Root				--
0	BARIUM	Leaf	50.0	80.0	-0.8262649183332945	Chem. & Pharm. Bull. 38: 2205.
0	DODECADIENOIC-ACID	Pollen Or Spore				--
0	KILOCALORIES	Leaf	440.0	3130.0	0.1804017187480344	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PHLOBAPHENE	Root				--
0	LINOLENIC-ACID	Root				--
0	VIOLAXANTHIN-ESTER	Flower				--
0	POLLINASTANOL	Pollen Or Spore				--
0	TARAXACOSIDE	Root		160.0		--
0	APS-SULFOTRANSFERASE	Leaf				--
0	MELISSIC-ACID	Root				--
0	RUBBER	Root	1300.0	1950.0	1.6889299554768	--
0	TARAXACOLIDE-1'-O-BETA-D-GLUCOPYRANOSIDE	Root				--
0	CAOUTCHOUC	Latex Exudate		3000.0	-1.138622639854687	--
0	BETA-LACTUCEROL	Latex Exudate				--
0	FAT	Root	2288.0	16000.0	-0.2294322736898297	--
0	LUTEOLIN-4'-O-BETA-D-GLUCOSIDE	Flower				--
0	BETA-FRUCTOFURANOSIDASES	Root				--
0	TARAXIN-ACID-BETA-D-GLUCOPYRANOSYL-ESTER	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ASPARAGINIC-ACID	Plant				--
0	BETA-FRUCTOPYRANOSIDASES	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PECTINS	Root		78000.0		--
0	TRANS-TARAXANTHIN	Flower				--
0	CLUYTIANOL	Root				--
0	NONADECANOIC-ACID	Pollen Or Spore				--
0	STRONTIUM	Plant	64.0	120.0	-0.2098574913290402	Chem. & Pharm. Bull. 38: 2205.
0	ALPHA-AMYLASE	Plant				--
0	TARAXINOIC-ACID-1'-O-BETA-D-GLUCOSIDE	Root		102.0		--
0	HOMOTARAXASTEROL	Root				--
0	PSEUDOTARAXASTEROL	Root				--
0	WATER	Root		857000.0	0.5743795854226849	--
0	ALPHA-LACTUCEROL	Latex Exudate				--
0	RESIN	Root				--
0	FAT	Leaf	7000.0	143000.0	1.7244221632917907	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	LUTEOLIN-3'-O-BETA-D-GLUCOSIDE	Flower				--
0	TARAXIN-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ASH	Root	11440.0	80000.0	0.35526479427075014	--
0	BETA-D-FRUCTOPYRANOSIDES	Root				--
0	CHRYSANTHEMUMXANTHIN	Flower				--
0	NEOXANTHIN-ESTER	Flower				--
0	31-NORCYCLOARTENOL	Plant				--
0	TARAXINOIC-ACID-1'-O-BETA-D-GLUCOSIDE	Shoot				--
0	HOMOANDROSTEROL	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SITOSTEROL	Leaf				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	WATER	Leaf	356000.0	880000.0	0.3610143077732886	--
0	TARAXIN	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	PSEUDOTARAXASTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	4-ALPHA-15,11-BETA-13-TETRAHYDRORIDENTIN-B	Root				--
0	CRYPTOXANTHIN-ESTER	Flower				--
0	EUDESMANOLIDES	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	P-HYDROXYPHENYLACETIC-ACID	Plant				--
0	LEVULIN	Plant				--
0	TARAXIEN	Flower		350.0		--
0	LEAD	Leaf	0.8	10.0	-0.4336719785177379	--
0	THIAMINE	Root				--
0	3,4-DIHYDROXYCINNAMIC-ACID	Plant				--
0	P-HYDROXYPHENYLACETIC-ACID	Root				--
0	PSI-TARAXEROL	Root				--
0	L-INOSITOL	Shoot				--
0	PSI-TARAXASTEROL	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Root	23595.0	165000.0	0.5231472238334102	--
0	CRYPTOXANTHIN-EPOXIDE-ESTER	Flower				--
0	D-GLUCURONIC-ACID	Plant				--
0	TRANS-LUTEIN-5,6-EPOXIDE	Plant				--
0	31-NORDEHYDROLANASTEROL	Pollen Or Spore				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	LUTEIN-EPOXIDE-ESTER	Flower				--
0	SUGARS	Root	14300.0	100000.0	-0.03757564189391796	--
0	14-TARAXEREN-3BETA-OL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	FLAVOXANTHIN	Plant				--
0	4-ALPHA-11-BETA-13,15-TETRAHYDRORIDENTIN-B	Root		4000.0		--
0	CIS-TARAXANTHIN	Flower				--
0	PSI-TARAXASTEROL-ACETATE	Root				Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
0	HEXADECENOIC-ACID	Pollen Or Spore				--
0	PROTEIN	Leaf	27000.0	321000.0	1.088926100722295	--