

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Astragalus membranaceus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
112	ASCORBIC-ACID	Root				--
102	CAFFEIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
77	CHLOROGENIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
77	ZINC	Root	0.8	5.0	-0.8399576796962069	--
75	KAEMPFEROL	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
65	MAGNESIUM	Root	800.0	5000.0	1.297512854456367	--
61	FERULIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
60	SELENIUM	Root	0.2	1.0	-0.29131634494743897	--
57	COUMARIN	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
53	BETA-CAROTENE	Root				--
47	BETA-SITOSTEROL	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
39	NIACIN	Root				--
28	CALCIUM	Root	560.0	3500.0	-0.42742749848868644	--
28	ISOLIQUIRITIGENIN	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
27	LINOLEIC-ACID	Root				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	CHROMIUM	Root	0.3	0.8	-0.40048877739295385	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
23	FOLIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
22	GABA	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
20	CHOLINE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
16	FORMONONETIN	Root				--
15	RIBOFLAVIN	Root	0.4	2.5	-0.3445770066726076	--
14	POTASSIUM	Root	1280.0	8000.0	-0.5695891878357887	--
14	MANGANESE	Root				--
14	BETAINE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
14	CANAVANINE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	ARGININE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	SUCROSE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
12	COPPER	Root	1.0	9.0	-0.30116857246091955	--
11	ISORHAMNETIN	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	GLUTAMIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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7	RHAMNOCITRIN	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	IRON	Root	3.2	20.0	-0.4125973953033244	--
4	PHOSPHORUS	Root	104.0	650.0	-0.5038891291778125	--
4	ISOFERULIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
4	SILICON	Root	3.2	20.0	-0.2510309186692663	--
3	ASTRAMEMBRANIN-I	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	ASPARTIC-ACID	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	ALANINE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	MOLYBDENUM	Root	0.1	10.0	2.6325714919134473	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	COBALT	Root	0.4	2.5	-0.4909460027790993	--
2	L-3-HYDROXY-9-METHOXYPTEROCARPAN	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
2	ASPARAGINE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	D-GLUCOSE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
1	SODIUM	Root	64.0	400.0	-0.32652648701580106	--