

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Harpagophytum procumbens*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Root		810000.0	0.26675246191923024	--
1	STACHYOSE	Root	6000.0	460000.0	0.31750232929843175	--
0	FIBER(DIETARY)	Root		420000.0	0.23558261041932288	--
0	FIBER(CRUDE)	Root		110000.0	-0.03773656051453802	--
0	PROTEIN	Root	19380.0	102000.0	-0.18431196193487812	--
0	ASH	Root	13490.0	71000.0	0.09826540137057557	--
0	SUGARS	Root	11400.0	60000.0	-0.424742309250878	--
6	HARPAGOSIDE	Root	1000.0	30000.0		--
1	IRIDOIDS	Root	1000.0	30000.0		--
14	SUCROSE	Root		27300.0	-0.9841312900669343	--
0	FAT	Root	4750.0	25000.0	0.07070501587931635	--
1	RAFFINOSE	Root	3000.0	24000.0	-0.8101404467277987	--
14	POTASSIUM	Root	1883.0	9910.0	-0.4297324351495235	--
28	CALCIUM	Root	1151.0	6060.0	-0.1470613057174478	--
65	MAGNESIUM	Root	1034.0	5440.0	1.5316389141216484	--
1	GALACTOSE	Root		3600.0	-1.0	--
8	FRUCTOSE	Root		2700.0	-0.529803942677962	--
7	GLUCOSE	Root		2500.0	-0.9499312356047811	--
5	ALUMINUM	Root	178.0	939.0	0.1913466692650815	--
14	ARGININE	Root		840.0	-0.4965861004016072	--
1	SODIUM	Root	136.0	718.0	-0.17846091709932732	--
4	PHOSPHORUS	Root	134.0	707.0	-0.49387369829927447	--
6	HARPAGIDE	Root		546.7		--
1	SERINE	Root		450.0	-1.6398861309683237	--
6	IRON	Root	55.0	290.0	-0.020343963862057824	--
0	PROCUMBIDE	Root	60.0	210.0		--
0	8-O(P-COUMAROYL)-HARPAGIDE	Root		184.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ASPARTIC-ACID	Root		160.0	-1.2748319398126813	--
39	NIACIN	Root	15.0	79.0	0.8335630063290778	--
3	ALANINE	Root		60.0	-1.665072432864305	--
0	6'-O-(P-COUMAROYL)- PROCUMBIDE	Root		31.3		--
0	PROCUMBOSIDE	Root		28.0		--
4	TIN	Root	5.0	24.0	0.7637747609302243	--
2	COBALT	Root	3.0	14.5	-0.23048536047099405	--
14	MANGANESE	Root	2.0	7.7	-0.4539282012059865	--
4	SILICON	Root	0.8	4.3	-0.32315188483809987	--
77	ZINC	Root	0.3	1.8	-0.9801103054105488	--
60	SELENIUM	Root	0.3	1.5	-0.25574803129140883	--
24	CHROMIUM	Root	0.2	1.2	-0.32076409255495114	--
18	CINNAMIC-ACID	Tuber				--
1	N-NONACOSANE	Tuber				--
0	N-HEPTACOSANE	Tuber				--
89	URSOLIC-ACID	Root				--
0	N-HENEICOSANE	Tuber				--
0	BIOSIDE	Root				Abstract (See species file)
0	PROLINE	Root				--
6	HARPAGIDE	Tuber				--
77	CHLOROGENIC-ACID	Tuber				--
0	HARPAGOQUINONE	Root				Abstract (See species file)
4	LYSINE	Root				--
0	N-DOTRIACONTANE	Tuber				--
0	N-TRIACONTANE	Tuber				--
0	HARPAQUINONE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	IRIDOIDS	Leaf				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
12	GLYCINE	Root				--
0	CHARPAGOSIDE	Root				--
78	LUTEOLIN	Tuber				--
6	HARPAGOSIDE	Stem				--
0	N-TETRACOSANE	Tuber				--
6	HARPAGOSIDE	Tuber				--
1	ACETOSIDE	Root				Abstract (See species file)
0	HARPAGOGENIN	Plant				Lawrence Review of Natural Products, Jul-87.
8	GLUTAMIC-ACID	Root				--
27	LINOLEIC-ACID	Tuber				--
0	CAMPESTEROL-3-O-BETA-D-GLUCOSIDE	Tuber				--
20	VERBASCOSIDE	Plant				--
14	SUCROSE	Tuber				--
6	HARPAGOSIDE	Leaf				--
1	GALACTOSE	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	BETA-(3'-4'-DIHYDROXY-PHENYL)-ETHYL-O-ALPHA-L-RHAMNOPYRANOSYL(1-3)BETA-D-GLUCOPYRANOSIDE	Root				--
7	GLUCOSE	Tuber				--
64	OLEANOLIC-ACID	Root				--
53	BETA-CAROTENE	Root				--
2	LEUCINE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CAMPESTEROL	Tuber				--
0	STEROLS	Root				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	STIGMASTEROL-3-O-BETA-D-GLUCOSIDE	Tuber				--
6	HARPAGOSIDE	Fruit				--
0	N-PENTACOSANE	Tuber				--
0	CINNAMIC-ACID-ESTER	Root				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
15	FISETIN	Root				Abstract (See species file)
3	VALINE	Root				--
5	KAEMPFERIDE	Tuber				--
102	CAFFEIC-ACID	Root				--
0	PROCUMBOSIDE	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.
12	STIGMASTEROL	Tuber				--
6	HARPAGOSIDE	Flower				--
13	PALMITIC-ACID	Tuber				--
8	FRUCTOSE	Tuber				--
0	8-O(P-COUMAROYL)-HARPAGIDE	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	STIGMASTEROL-3-O-BETA-D-GLUCOSIDE	Root				--
112	ASCORBIC-ACID	Root				--
75	KAEMPFEROL	Tuber				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	4-METHOXY-BENZYL ALCOHOL	Tuber				--
0	PROCUMBIDE-6'-O-P-COUMAROYL-ESTER	Root				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
8	STEARIC-ACID	Tuber				--
6	HARPAGOSIDE	Tissue Culture				--
18	OLEIC-ACID	Tuber				--
15	FISETIN	Tuber				--
78	LUTEOLIN	Root				--
0	6'-O-(P-COUMAROYL)-PROCUMBIDE	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.
18	CINNAMIC-ACID	Root				--
1	RAFFINOSE	Tuber				--
0	ISOVERBASCOSIDE	Root				--
0	MYO-INOSITOL	Root				--
0	2-METHOXY-BENZYL ALCOHOL	Tuber				--
0	N-ALKANES	Root				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
1	STACHYOSE	Tuber				--
0	HARPAGOQUINONE	Tuber				--
0	3-BETA-ACETYL-OLEANOLIC ACID	Root				--
0	N-DOCOSANE	Tuber				--
75	KAEMPFEROL	Root				Abstract (See species file)
0	THIAMINE	Root				--
0	PROCUMBIDE	Tuber				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	VERBASCOSIDE	Root				--
7	HISTIDINE	Root				--
0	MYO-INOSITOL	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.
10	SQUALENE	Tuber				--
0	HARPAGOGENIN	Tuber				--
0	OLEANOLIC-ACID-ACETATE	Tuber				--
5	DAUCOSTEROL	Tuber				--
0	ISOACETOSIDE	Root				Abstract (See species file)
0	N-TRICOSANE	Tuber				--
0	URSOLIC ACID ACETATE	Tuber				--
2	N-HEXACOSANE	Tuber				--
77	CHLOROGENIC-ACID	Root				--
0	LUTEOLIN-GLUCOSIDES	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
47	BETA-SITOSTEROL	Tuber				--
0	8-P-COUMAROYL-HARPAGIDE	Tuber				--
5	DAUCOSTEROL	Root				--
15	RIBOFLAVIN	Root				--
64	OLEANOLIC-ACID	Tuber				--
0	N-OCTACOSANE	Tuber				--
89	URSOLIC-ACID	Tuber				--
3	N-HENTRIACONTANE	Tuber				--
7	PHENYLALANINE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KAEMPFEROL- GLUCOSIDES	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.