

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Hypericum perforatum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Plant				--
0	(+)-EPICATECHIN	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.
38	(-)-EPICATECHIN	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	(E)-BETA-FARNESENE	Plant	0.5	9.0	-0.698672340478706	--
0	(E)-OCIMENE	Plant	0.1	2.25		--
0	(Z)-OCIMENE	Plant	0.25	4.5		--
0	1(3)-11(8)-BIAPIGENIN	Shoot		72.5		--
0	1(3)-11(8)-BIAPIGENIN	Flower				--
1	1,3,6,7-TETRAHYDROXYXANTHONE	Plant				--
1	1,3,6,7-TETRAHYDROXYXANTHONE	Leaf				--
0	2,2-DIMETHYL-7-ISOBUTYL-2H,5H-PYRANO-(4,3-B)-PYRAN-5-ONE	Plant	1.5	27.0		--
0	2,2-DIMETHYL-7-SEC-BUTYL-2H,5H-PYRANO-(4,3-B)-PYRAN-5-ONE	Plant	1.0	18.0		--
0	2-METHYL-BUTENOL	Plant				--
0	2-METHYL-DECANE	Fruit Essent. Oil				--
0	2-METHYL-DECANE	Leaf Essent. Oil				--
0	2-METHYL-DECANE	Shoot				--
0	2-METHYL-OCTANE	Shoot				--
0	2-METHYL-OCTANE	Fruit Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-METHYL-OCTANE	Leaf Essent. Oil				--
0	5-METHYLHEPTAN-2,4-DIONE	Plant	0.25	4.5		--
0	6-METHYL-HEPT-5-EN-2-ONE	Plant	1.0	18.0		--
0	6-METHYLHEPTAN-2,4-DIONE	Plant	0.25	4.5		--
6	ACETOPHENONE	Plant	0.1	2.25	-1.0	--
0	ACYLPHLOROGLUCINOLS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ADHYPERFOLIN	Fruit				--
0	ADHYPERFOLIN	Flower				--
0	ADHYPERIFORIN	Plant	2000.0	19000.0		--
0	ALKANES	Shoot				--
0	ALKANOLS	Shoot				--
0	ALPHA-AMORPHENE	Plant	0.25	4.5	-1.0	--
0	ALPHA-CAMPHOLENOL	Plant	0.05	0.9		--
0	ALPHA-CUPRENENE	Plant	16.0	288.0		--
0	ALPHA-EUDESOL	Plant	2.5	45.0		--
2	ALPHA-HUMULENE	Plant	1.0	18.0	-0.6057643151172428	--
11	ALPHA-PHELLANDRENE	Plant	0.3	5.4	-1.1319046038135718	--
28	ALPHA-PINENE	Fruit Essent. Oil				--
28	ALPHA-PINENE	Leaf Essent. Oil				--
28	ALPHA-PINENE	Shoot Essent. Oil				--
28	ALPHA-PINENE	Plant	13.0	245.0	-0.3080919122446896	--
3	ALPHA-SELINENE	Plant	1.0	18.0	-0.5867176918752404	--
13	ALPHA-TERPINENE	Plant	1.0	18.0	-0.4744627215339312	--
23	ALPHA-TERPINEOL	Plant	3.0	54.0	-0.43865827127528684	--
0	ALPHA-TERPINYL-ACETATE	Plant	0.1	1.8	-0.6913759776083797	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	AMENTOFLAVONE	Shoot				--
18	AMENTOFLAVONE	Flower	100.0	500.0		--
3	AR-CURCUMENE	Plant	0.5	9.0	-0.5646161556334643	--
112	ASCORBIC-ACID	Seed		395.0	-0.10131886672592849	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
112	ASCORBIC-ACID	Plant		1300.0	-0.28849886718467166	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
112	ASCORBIC-ACID	Shoot		16.5	-0.3703409857421204	--
112	ASCORBIC-ACID	Leaf				--
9	BETA-AMYRIN	Shoot				--
0	BETA-BOURBONENE	Plant	0.25	4.5	-0.489936417763645	--
53	BETA-CAROTENE	Shoot		12.1	-0.6694191722615046	--
5	BETA-ELEMENE	Plant	0.25	4.5	-0.4590469964746937	--
13	BETA-EUDESOL	Plant	2.0	32.0	-1.4039137909830484	--
13	BETA-PINENE	Fruit Essent. Oil				--
13	BETA-PINENE	Leaf Essent. Oil				--
13	BETA-PINENE	Shoot				--
13	BETA-PINENE	Plant	335.0	6055.0	6.102304293563025	--
3	BETA-SELINENE	Plant	1.5	27.0	-0.500067830640769	--
47	BETA-SITOSTEROL	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.
47	BETA-SITOSTEROL	Shoot				--
0	BIAPIGENIN	Leaf				--
0	BICYCLOELEMENE	Plant	0.1	1.8	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	BORNEOL	Plant	0.15	2.7	-0.6684962919153474	--
12	BORNYL-ACETATE	Plant	0.2	3.6	-0.46669902653977585	--
0	BRENZCATECHIN	Plant				--
4	CADINENE	Essential Oil				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	CADMIUM	Root	1.0	3.0	2.1673447651974533	--
3	CADMIUM	Plant	1.0	5.0	1.706360614699241	--
3	CADMIUM	Leaf	1.0	7.0	1.8579388000852974	--
102	CAFFEIC-ACID	Shoot		1000.0	-0.30167703804388507	--
102	CAFFEIC-ACID	Plant		1000.0	-0.927639936569902	--
9	CAMPHENE	Plant	1.0	18.0	-0.5750339250011366	--
0	CAROTENE	Seed		165.0	0.9999999999999998	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	CAROTENOIDS	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
31	CARYOPHYLLENE	Essential Oil				--
31	CARYOPHYLLENE	Plant	26.0	468.0	0.04369118646892662	--
6	CARYOPHYLLENE-EPOXIDE	Plant	0.5	9.0		--
1	CATECHINS	Plant				--
0	CERYL-ALCOHOL	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
77	CHLOROGENIC-ACID	Leaf				--
77	CHLOROGENIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
21	CHLOROPHYLL	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
20	CHOLINE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
20	CHOLINE	Leaf				--
20	CHOLINE	Shoot	34.0	1000.0	0.572012868491687	--
0	CINEOLE	Essential Oil				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
18	CINNAMIC-ACID	Plant				--
0	CIS-TROLLIXANTHIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	CYANIDIN	Plant				--
0	CYCLOPSEUDOHYPERICIN	Plant				--
13	CYSTEINE	Plant				--
9	DELTA-CADINENE	Plant	0.5	9.0	-0.5016588984240995	--
1	DODECANOL	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	ELEMOL	Plant	0.25	4.5	-0.6106083925528936	--
0	EMODINANTHRANOL	Plant				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	EO	Shoot	700.0	1250.0	-0.837336451901542	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EO	Seed		3300.0	-0.5087818988509869	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	EO	Flower		2500.0	-0.3400918652927049	--
0	EO	Plant	500.0	9000.0	-0.05614454808389901	--
40	EPICATECHIN	Plant				--
0	FAT	Seed		328000.0	0.32980195334230034	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FENCHOL	Plant	0.25	4.5		--
61	FERULIC-ACID	Plant				--
0	FLAVONOIDS	Shoot	70000.0	74000.0	1.9987386742212807	--
0	FLAVONOIDS	Flower		117100.0	1.7816328615787507	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	GABA	Plant		700.0		--
62	GALLIC-ACID	Plant				--
0	GAMMA-CURCUMENE	Plant	0.5	9.0		--
0	GAMMA-EUDESOL	Plant	1.5	27.0	-1.0	--
11	GAMMA-TERPINENE	Plant	1.5	27.0	-0.5229803987451376	--
8	GENTISIC-ACID	Plant				--
13	GERANIAL	Plant	0.35	6.3	-0.8448404627021195	--
35	GERANIOL	Plant	4.0	72.0	-0.4372882513568854	--
5	GERANYL-ACETATE	Plant	24.0	432.0	-0.046931008281076325	--
5	GLUTAMINE	Plant				--
3	GUAIOL	Plant	1.5	27.0	-1.0	--
0	GURJUNENE	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEXACOSAN-1-OL	Leaf				--
2	HUMULENE	Essential Oil				--
2	HUMULENE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	HYPERESIN-1	Plant				--
0	HYPERESIN-2	Plant				--
7	HYPERFORIN	Leaf				--
7	HYPERFORIN	Flower		27930.0		--
7	HYPERFORIN	Fruit				--
7	HYPERFORIN	Shoot				--
7	HYPERFORIN	Plant	20000.0	45000.0		--
26	HYPERICIN	Fruit		730.0		--
26	HYPERICIN	Essential Oil		2200.0		--
26	HYPERICIN	Cotyledon		14.5		--
26	HYPERICIN	Flower Essent. Oil	5.0	19.0		--
26	HYPERICIN	Flower	860.0	18000.0		--
26	HYPERICIN	Stem	40.0	210.0		--
26	HYPERICIN	Leaf	190.0	1950.0		--
26	HYPERICIN	Plant	5000.0	7000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
26	HYPERICIN	Shoot	390.0	1780.0		--
0	HYPERICINS	Plant	95.0	4660.0		--
0	HYPERICODIHYDROANTHRONE	Plant				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HYPERIFOLIN	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.
14	HYPERIN	Plant	3500.0	5500.0		--
30	HYPEROSIDE	Shoot	5000.0	40000.0	1.0	--
30	HYPEROSIDE	Flower		6570.0	1.3767817207229411	--
30	HYPEROSIDE	Stem				--
30	HYPEROSIDE	Plant	3500.0	20000.0	1.4142135623730945	--
30	HYPEROSIDE	Leaf				--
0	I3,I18-BIAPIGENIN	Flower	100.0	500.0		--
0	I3,I18-BIAPIGENIN	Plant		2600.0		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
1	IMANIN	Shoot				--
1	IMANIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ISHWARANE	Plant	0.5	9.0		--
4	ISOFERULIC-ACID	Plant				--
0	ISOHYPERICIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ISOQUERCETIN	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ISOQUERCITIN	Plant				--
22	ISOQUERCITRIN	Flower				--
22	ISOQUERCITRIN	Plant		3000.0	1.0	--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOVALERIANIC-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.
0	ISOVALERIC-ACID-ESTER	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
75	KAEMPFEROL	Plant				--
0	KIELCORIN	Plant				--
0	KIELCORIN	Root				--
0	KILECORIN	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	LEAD	Root	4.0	5.0	0.5725881018723528	--
0	LEAD	Plant	2.0	12.0	-0.2052748805139635	--
0	LEAD	Leaf	6.0	18.0	-0.2544918195433336	--
2	LEUCINE	Plant				--
1	LEUCOCYANIDIN	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
60	LIMONENE	Fruit Essent. Oil				--
60	LIMONENE	Plant	5.0	90.0	-0.43049106807161513	--
60	LIMONENE	Leaf Essent. Oil				--
60	LIMONENE	Shoot				--
53	LINALOOL	Plant	2.5	45.0	-0.6582300842221918	--
15	LUTEIN	Flower				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
78	LUTEOLIN	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	LUTEOXANTHIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	LYSINE	Plant				--
18	MANGIFERIN	Plant				--
18	MANGIFERIN	Shoot				--
0	MANGIFERIN(SIC)	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
18	MANNITOL	Plant	11000.0	20000.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	METHYL-2-DECANE	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	METHYL-2-OCTANE	Essential Oil		164000.0		--
0	METHYL-3-BUT-3-EN-2-OL	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)
0	METHYL-GERANATE	Plant	0.3	5.4		--
22	MYRCENE	Leaf Essent. Oil				--
22	MYRCENE	Shoot				--
22	MYRCENE	Plant	10.0	190.0	-0.26735798519548487	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	MYRCENE	Essential Oil				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
22	MYRCENE	Fruit Essent. Oil				--
34	MYRICETIN	Plant				--
0	MYRICETIN-3-O-BETA-D-GLUCOSIDE	Plant				--
6	MYRISTIC-ACID	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	N-DECANAL	Essential Oil				--
0	N-NONANE	Fruit Essent. Oil				--
0	N-NONANE	Essential Oil				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	N-NONANE	Leaf Essent. Oil				--
0	N-NONANE	Shoot				--
2	N-OCTANAL	Essential Oil				--
0	N-OCTANOL	Essential Oil				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	N-UNDECANE	Fruit Essent. Oil				--
0	N-UNDECANE	Leaf Essent. Oil				--
0	N-UNDECANE	Shoot				--
0	NEO-ALLOOCIMENE	Plant	0.3	5.4		--
4	NERAL	Plant	0.35	6.3	-0.7605971244477834	--
10	NEROL	Plant	1.0	18.0	-0.4305189847416696	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	NERYL-ACETATE	Plant	1.0	18.0	-0.5533167201767719	--
11	NICOTINIC-ACID	Leaf	0.007	1200.0	0.8574828309219877	--
2	NONACOSANE	Plant				--
0	NONANE	Plant	23.0	414.0	1.7320463017310814	--
0	NOR-CYCLOPSEUDOHYPERICIN	Plant				--
0	NOVOIMANIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NOVOIMANIN	Shoot	30000.0	40000.0		--
0	OCT-1-ENE	Plant	1.5	17.0		--
0	OCTACOSAN-1-OL	Leaf				--
25	OPCS	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)
5	ORNITHINE	Plant				--
25	P-COUMARIC-ACID	Plant				--
16	P-CYMENE	Plant	0.5	9.0	-0.4179122586089107	--
13	P-HYDROXY-BENZOIC-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.
13	PALMITIC-ACID	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
24	PECTIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PERFLAVIT	Shoot				--
26	PHENOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHLOBAPHENE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	PHLOROGLUCINOL	Shoot				--
8	PHLOROGLUCINOL	Plant				--
2	PHYTOSTEROLS	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	PINENE	Essential Oil				--
0	PINOL	Plant	0.05	0.9		--
34	PROANTHOCYANIDINS	Plant		120000.0		--
27	PROCYANIDINS	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PROLINE	Plant				--
0	PROTEIN	Seed	181000.0	207000.0	-0.23836489772194505	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTOHYPERICIN	Plant				--
0	PROTOPSEUDOHYPERICIN	Plant				--
0	PROVITAMIN-A	Plant		130.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	PSEUDOHYPERICIN	Cotyledon		164.9		--
2	PSEUDOHYPERICIN	Shoot		40.0		--
2	PSEUDOHYPERICIN	Flower	2260.0	5800.0		--
2	PSEUDOHYPERICIN	Leaf				--
2	PSEUDOHYPERICIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PSEUDOHYPERICODIHYDROANTHRONE	Plant				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
23	PYROGALLOL	Plant				--
176	QUERCETIN	Flower		1000.0	0.9439875157035426	--
176	QUERCETIN	Plant		20000.0	1.0	--
176	QUERCETIN	Stem				--
176	QUERCETIN	Leaf				--
176	QUERCETIN	Shoot				--
0	QUERCETIN-3-O-GLUCURONIDE	Shoot				--
0	QUERCETIN-3-O-GLUCURONIDE	Plant				--
0	QUERCETIN-3-O-XYLOSIDE	Shoot				--
0	QUERCETIN-3-O-XYLOSIDE	Plant				--
44	QUERCITRIN	Plant				--
44	QUERCITRIN	Leaf				--
44	QUERCITRIN	Flower		3380.0		--
44	QUERCITRIN	Shoot	3000.0	5240.0	-1.0	--
0	RESORCYNOL	Plant				--
0	RHODAN	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
87	RUTIN	Stem				--
87	RUTIN	Plant		16000.0	-0.4415440806455522	--
87	RUTIN	Shoot		10000.0	0.17325822920583467	--
87	RUTIN	Flower	1000.0	2800.0	-0.7206034752837803	--
87	RUTIN	Leaf	2000.0	3000.0	-0.8182983793201679	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SAPONIN	Seed				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
44	SCOPOLETIN	Plant				--
0	SELINA-4,11-DIENE	Plant	0.15	2.7	-1.0	--
0	SITOSTEROL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	TANNINS	Stem		38000.0		--
0	TANNINS	Seed		121000.0	1.4090882261939848	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
0	TANNINS	Plant	30000.0	160000.0	0.6335167585895222	--
0	TANNINS	Leaf		124000.0	0.3789365602623973	--
0	TANNINS	Flower		162000.0	-1.414213562373095	--
0	TANNINS	Shoot		3300.0	-1.0	--
2	TARAXASTEROL	Shoot				--
23	TERPINEN-4-OL	Plant	0.5	9.0	-0.2775675416087286	--
0	TERPINEOLENE	Plant	1.5	27.0	1.0	--
0	TETRACOSAN-1-OL	Leaf				--
4	THREONINE	Plant				--
1	TRIACONTAN-1-OL	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TROLLICHRONE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	UMBELLIFERONE	Plant				--
0	UNDECANE	Plant	0.25	4.5	1.6819265754924004	--
24	VANILLIC-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.
2	VIOLAXANTHIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	XANTHONES	Plant		12.8		--