

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Coix lacryma-jobi

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2,4-DIHYDROXY-7-METHOXY-2H-1,4-BENZOAXINE-3-ONE	Sprout Seedling				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	2-(2,4-DIHYDROXY-7-METHOXY...BETA-D-GLUCOPYRANOSIDE	Sprout Seedling				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-(2-HYDROXY-7-METHOXY-1,4(2H)...GLUCOPYRANOSIDE	Sprout Seedling				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXY-7-METHOXY-1,4(2H)-BENZOXAZIN-3-ONE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	2-O-GLUCOSYL-7-METHOXY-1,4(2H)-BENZOXAZIN-3-ONE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
2	4-KETOPINORESINOL	Pericarp				--
0	6-METHOXY-BENZOXAZOLON	Plant				--
28	ADENOSINE	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	ALPHA-MONOLINOLEIN	Plant				--
112	ASCORBIC-ACID	Seed		0.0	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	BENZOXAZINOIDS	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
53	BETA-CAROTENE	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
47	BETA-SITOSTEROL	Root				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
28	CALCIUM	Seed	50.0	282.0	-0.709731191035536	--
2	CAMPESTEROL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CARBOHYDRATES	Seed	653000.0	824000.0	1.194636040512912	--
0	CARBOHYDRATES	Plant		798000.0	0.8087299351363579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CEREBROSIDES	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	CIS-8-OCTADECENOIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	COICIN	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	COIXAN-A	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	COIXAN-B	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	COIXAN-C	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
5	COIXENOLIDE	Seed		2500.0		--
4	COIXOL	Stem		1300.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	COIXOL	Root		1600.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	CONIFERYL-ALCOHOL	Pericarp				--

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12	COPPER	Seed		5.0	-0.8902206512542384	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
0	DIGALACTOSYL	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	FAT	Seed	31000.0	79000.0	-0.9817701137563937	--
0	FAT	Plant		28000.0	-0.34659641340595326	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
61	FERULIC-ACID	Pericarp				--
0	FERULOYL-CAMPESTEROL	Seed				--
0	FERULOYL-STIGMASTEROL	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
15	FIBER	Seed	2900.0	170000.0	0.27811243148773734	--
15	FIBER	Plant		279000.0	0.41545981993088654	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	GERMANIUM	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
6	IRON	Seed	29.0	68.0	-0.3846821236271991	--
0	KILOCALORIES	Seed	1480.0	4280.0	-0.45298053633039254	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
27	LINOLEIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)

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0	LYSOPHOSPHATIDYLCHOLINE	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
65	MAGNESIUM	Seed		1490.0	-0.5752971021114678	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
14	MANGANESE	Seed		26.0	-0.3428264091146499	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
2	MAYTENOLIDE	Pericarp				--
0	MONOGALACTOSYL-DIGLYCERIDES	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
6	MYRISTIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
39	NIACIN	Seed	13.0	48.0	0.1530815697418368	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	PALMITIC-ACID	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	PHOSPHATIDYL-CHOLINE	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	PHOSPHATIDYL-ETHANOLAMINE	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.

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0	PHOSPHATIDYL-INOSITOL	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	PHOSPHATIDYL-SERINE	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	PHOSPHOLIPIDS	Seed		18300.0	0.6216419226853153	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
4	PHOSPHORUS	Seed	500.0	5000.0	-0.09337683501314556	--
0	PHYTIN	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
14	POTASSIUM	Seed		2360.0	-0.897907987680729	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
0	PROTEIN	Seed	81000.0	262000.0	0.2508885855702684	--
0	PROTEIN	Plant		85000.0	-0.7249690892271701	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Seed	0.6	2.1	-0.5458370829209624	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SAPONIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Seed		4.0	-0.7093667361710226	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
5	STARCH	Seed	500000.0	790000.0	1.9430732029759523	--
8	STEARIC-ACID	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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0	STERYL-GLYCOSIDES	Seed				Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
0	STIGMASTANOL	Plant				--
12	STIGMASTEROL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
1	SYRINGARESINOL	Pericarp				--
6	SYRINGIC-ACID	Pericarp				--
31	THIAMIN	Seed	2.8	3.2	-0.8074004182040649	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Seed	89000.0	113000.0	-0.43979524613550786	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
77	ZINC	Seed		20.0	-0.7135039207289134	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.