

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Coix lacryma-jobi

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	4-KETOPINORESINOL	Pericarp	--	--		
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	--	--	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	BENZOXAZINIDS	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	--	--	-0.42930857989782434	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.
28	CALCIUM	Seed	50	282	-0.709731191035536	
2	CAMPESTEROL	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
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		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	COIXOL	Root	--	1600		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	COIXOL	Stem	--	1300		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	CONIFERYL-ALCOHOL	Pericarp	--	--		
12	COPPER	Seed	--	5	-0.8902206512542384	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
61	FERULIC-ACID	Pericarp	--	--		
15	FIBER	Seed	2900	170000	0.27811243148773734	
15	FIBER	Plant	--	279000	0.41545981993088654	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Seed	29	68	-0.3846821236271991	
27	LINOLEIC-ACID	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Seed	--	1490	-0.5752971021114678	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
14	MANGANESE	Seed	--	26	-0.3428264091146499	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
2	MAYTENOLIDE	Pericarp	--	--		
6	MYRISTIC-ACID	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
39	NIACIN	Seed	13	48	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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
4	PHOSPHORUS	Seed	500	5000	-0.09337683501314556	
14	POTASSIUM	Seed	--	2360	-0.897907987680729	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
15	RIBOFLAVIN	Seed	0.6	2.1	-0.5458370829209624	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	SODIUM	Seed	--	4	-0.7093667361710226	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
5	STARCH	Seed	500000	790000	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.
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
77	ZINC	Seed	--	20	-0.7135039207289134	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.