

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vitellaria paradoxa*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	ALPHA-AMYRIN	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
2	TARAXEROL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
0	PARKEOL	Plant				--
0	CARBOHYDRATES	Seed		382000.0	-0.5619612546684896	--
27	LINOLEIC-ACID	Seed Oil		69000.0	-1.2667119416120045	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
0	ALPHA-AMYRENONE	Seed Oil				Kolhe, J. N., Bhaskar, A., Brongi, N. V. 1982. Occurrence of 3-oxo Triterpenes in the Unsaponifiable Matter of Some Vegetable Fats. Lipids 17: 166-168.
2	TARAXASTEROL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
13	PALMITIC-ACID	Seed		29980.0	-0.08101637286660132	--
28	CALCIUM	Seed		1070.0	-0.5650087280335013	--
1	LANOSTEROL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	VALINE	Seed		1020.0	-1.3537156013198874	--
8	STEARIC-ACID	Seed Oil		459000.0	2.8194953554837765	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
0	BASSEOL	Plant				--
0	GERMANICOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
29	TRYPTOPHAN	Seed		800.0	-0.8611417027120489	--
0	PSEUDOTARAXASTEROL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
21	LUPEOL	Plant				--
0	ASH	Seed		18000.0	-0.8987230012448024	--
0	FIXED-OIL	Seed		521000.0	1.7343614077614062	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
31	THIAMIN	Seed		5.6	-0.2348007702669113	--
0	PARKEOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	EUPHOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
14	ARGININE	Seed		5985.0	-0.7899378693427412	--
12	STIGMASTEROL	Seed		10.0	-0.5175361828441128	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	PALMITOLEIC-ACID	Seed Oil				Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
2	LEUCINE	Seed		7225.0	-0.943447773023458	--
3	DAMMARADIENOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
9	BETA-AMYRIN	Plant				--
13	PALMITIC-ACID	Seed Oil		48000.0	-0.8900023546566821	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
0	KILOCALORIES	Seed		6220.0	1.0653400075093524	--
0	BUTYROSPERMOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
10	ALPHA-AMYRIN	Plant				--
0	PROTEIN	Seed		73000.0	-1.4303642933793377	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Seed Oil		408000.0	0.4535233979402872	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
6	IRON	Seed		32.0	-0.551949152809538	--
0	BUTYROSPERMENONE	Seed Oil				Kolhe, J. N., Bhaskar, A., Brongi, N. V. 1982. Occurrence of 3-oxo Triterpenes in the Unsaponifiable Matter of Some Vegetable Fats. Lipids 17: 166-168.
12	ALLANTOIN	Seed				--
0	24-METHYLENE-LANOST-9(11)-EN-3-BETA-OL	Seed				Itoh, T., Tamura, T., Matsumoto, T. 1975. 24-methylenelanost-9(11)-en-3-beta-ol, New Triterpene Alcohol From Shea Butter. Lipids 10: 454.
2	PHYTOSTEROLS	Seed		290.0	-0.571390491209089	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
6	MYRISTIC-ACID	Seed Oil				Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
15	FIBER	Seed		56000.0	-0.6220510387757384	--
9	BETA-AMYRIN	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
0	24-METHYLENE-DAMMARENOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Seed		430.0	-1.3010405442319284	--
21	LUPEOL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
0	FAT	Seed		526000.0	1.372738777782226	--
0	BETA-AMYRENONE	Seed Oil				Kolhe, J. N., Bhaskar, A., Brongi, N. V. 1982. Occurrence of 3-oxo Triterpenes in the Unsaponifiable Matter of Some Vegetable Fats. Lipids 17: 166-168.
0	TIRUCALLA-7-24-DIEN-3-BETA-OL	Seed Oil				Itoh, O., Uetsuki, T., Tamura, T., Matsumoto, A. 1980. Characterization of Triterpene Alcohols of Seed Oils From Some Species of Theaceae, Phytolaccaceae and Sapotaceae. Lipids 15 6: 407-411.
7	PHENYLALANINE	Seed		2115.0	-1.125563715566973	--
2	CYSTINE	Seed		730.0	-1.6835239291873623	--
0	LINOLENIC-ACID	Seed Oil		16000.0	-0.9412734213753595	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
27	LINOLEIC-ACID	Seed	22620.0	28930.0	-0.6699585035136024	--
8	STEARIC-ACID	Seed	215660.0	233020.0	4.49035269342842	--
18	OLEIC-ACID	Seed	239855.0	257740.0	1.1396739198175234	--