

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Terminalia catappa

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Seed	500000.0	596000.0	1.741453816725634	--
0	PROTEIN	Seed	191000.0	272500.0	0.3442915232896909	--
0	PENTOSANS	Fruit		251600.0	1.856644035837029	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Seed	126250.0	245000.0	1.0349436395661469	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	PALMITIC-ACID	Seed	156600.0	232440.0	4.096390353067535	--
35	TANNIN	Fruit	60000.0	200000.0	1.0178450211539385	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
27	LINOLEIC-ACID	Seed	102600.0	184450.0	0.6625522962598384	--
0	CARBOHYDRATES	Seed	149000.0	179000.0	-1.3687242658038388	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
35	TANNIN	Bark		130000.0	-0.09697217891198255	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	FIBER	Seed	18000.0	95000.0	-0.31410037789612827	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Seed	27000.0	60000.0	-0.6431783541666525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	GLUCOSE	Fruit		59800.0	-0.26042032454788655	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Seed	24000.0	43000.0	-0.14678225213812016	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	STEARIC-ACID	Seed	21600.0	40525.0	0.31386484893733	--
2	PALMITOLEIC-ACID	Seed	11850.0	14125.0	0.04059691503408286	--
4	PHOSPHORUS	Seed	7890.0	9835.0	1.1843155137992867	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Seed	7840.0	8165.0	-0.38739595845691543	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KILOCALORIES	Seed	5940.0	6340.0	1.159256742179852	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	MYRISTIC-ACID	Seed	700.0	5960.0	-0.21798166315362202	--
28	CALCIUM	Seed	320.0	5100.0	0.1751328022941634	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	PUNICALAGIN	Leaf		4812.5	-1.0	Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
0	ARACHIDIC-ACID	Seed	0.0	4770.0	-0.18883634290214402	--
0	LINOLENIC-ACID	Seed	950.0	1130.0	-0.5601351541287415	--
1	SODIUM	Seed	700.0	730.0	0.44309882254384525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	2,3-(4,4',5,5',6,6'-HEXAHYDROXY-DIPHENOYL)-GLUCOSE	Leaf		625.0		Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
0	TERFLAVIN-A	Leaf		581.3		Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	PUNICALIN	Leaf		550.0	1.0	Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
13	CORILAGIN	Leaf		500.0	1.0	Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
0	TERGALLAGIN	Leaf		398.8		Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
0	GRANATIN-B	Leaf		281.9		Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
0	1-DEGALLOYL-EUGENIIN	Leaf		195.0	-1.0	Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
21	GERANIIN	Leaf		184.4	-1.0	--
0	TERCATAIN	Leaf		179.4		Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
6	IRON	Seed	0.0	95.0	-0.2592318517404449	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	CHEBULAGIC-ACID	Leaf		55.0	-1.0	Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
0	TERFLAVIN-B	Leaf		39.4	-1.0000000000000002	Tanaka,T.,Nonaka,G. I.,Nishioka,I.1986.Tannins and Related Compounds.XLII.Isolation and Characterization of Four New Hydrolyzable Tannins, Terflavins A & B, Tergallagin and Tercatain from the Leaves of Terminalia catappa L. Chem Pharm Bull 34 3: 1039-1049
31	THIAMIN	Seed	3.0	7.0	0.09921569102976133	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
39	NIACIN	Seed	6.0	7.0	-1.0742170158570792	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Seed	0.8	3.0	-0.20090831129253928	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Fruit		1.8	-0.14732126156164263	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	BETA-CAROTENE	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Seed		0.0	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ARJUNOLIC-ACID-28-O-BETA-D-GLUCOSIDE	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.
51	ELLAGIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	3,3',4-TRI-O-METHYL-ELLAGIC-ACID	Bark				Lowry, J. B. 1968. The Distribution and Potential Taxonomic Value of Alkylated Ellagic Acids. Phytochemistry 7 10: 1803-1813
30	(+)-CATECHIN	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	ARJUNOLIC-ACID	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.
0	CYANIDIN-3-GLUCOSIDE	Fruit				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
176	QUERCETIN	Leaf				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
38	(-)-EPICATECHIN	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	CORILAGIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	GENTISIC-ACID	Leaf				Griffiths, L. A. 1959. On the Distribution of Gentisic Acid in Green Plants. J. Exp. Biol. 10: 437.
1	LEUCOCYANIDIN	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
40	EPICATECHIN	Bark				--
0	FATTY-ACIDS	Seed Oil				Upadhy, G. S., Narayanaswamy, G., Kartha, A. R. S. 1974. Note on the Comparative Development of Fatty Acids in Ripening Seeds of 6 Dicot Species Producing C16-C18 Acid Fats. Indian J. Agr. Sci. 44: 620.
51	ELLAGIC-ACID	Bark				Lowry, J. B. 1968. The Distribution and Potential Taxonomic Value of Alkylated Ellagic Acids. Phytochemistry 7 10: 1803-1813
75	KAEMPFEROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	BREVIFOLIN-CARBOXYLIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	DAUCOSTEROL	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.

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0	TERMINALIC-ACID	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	PALMITIC-ACID	Seed Oil				Abdullahi, A. H., Anelli, G. 1980. Fatty Acid Composition and Characteristics of Terminalia catappa Oil Seed from Somalia. Riv. Agric. Subtrop. Trop. 74: 245-247.
62	GALLIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	OXALIC-ACID	Bark				Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
22	BETULINIC-ACID	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.
64	OLEANOLIC-ACID	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.
47	BETA-SITOSTEROL	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of Terminalia catappa. Acgc. Chem. Res. Commun. 6: 26-28.

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0	3,3'-DI-O-METHYL- ELLAGIC-ACID	Bark				Lowry, J. B. 1968. The Distribution and Potential Taxonomic Value of Alkylated Ellagic Acids. <i>Phytochemistry</i> 7 10: 1803-1813
27	LINOLEIC-ACID	Seed Oil				Abdullahi, A. H., Anelli, G. 1980. Fatty Acid Composition and Characteristics of Terminalia catappa Oil Seed from Somalia. <i>Riv. Agric. Subtrop. Trop.</i> 74: 245-247.