

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Acacia farnesiana*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	(+)-CATECHOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	ALANINE	Leaf	3440	18450	1.3615480815328946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	ALPHA-IONONE	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
2	ALPHA-SPINASTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ALPHA-SPINASTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
23	ALPHA-TERPINEOL	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
7	ANISALDEHYDE	Flower	--	--		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.
14	ARGININE	Leaf	7360	39480	1.3871175969782887	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	AROMADENDRIN	Plant	--	--		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.
112	ASCORBIC-ACID	Leaf	490	2636	-0.19933288649781924	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Plant	7040	37770	1.3374636299085358	
24	BENZALDEHYDE	Flower	--	--		Pakistan Encyclopedia Planta Medica. 1986.

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24	BENZALDEHYDE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
20	BENZOIC-ACID	Flower	--	--		
20	BENZOIC-ACID	Plant	--	--		
9	BENZYL-ALCOHOL	Flower	--	--		
53	BETA-CAROTENE	Leaf	120	646	1.6753562972527778	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	BETA-IONONE	Flower	--	--		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.
6	BUTYRIC-ACID	Flower	--	--		
6	BUTYRIC-ACID	Plant	--	--		
28	CALCIUM	Leaf	930	5003	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Seed	3900	5500	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CAMPESTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
2	CAMPESTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	CHOLESTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
1	CHOLESTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
57	COUMARIN	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

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57	COUMARIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
10	CUMINALDEHYDE	Plant	--	--		
10	CUMINALDEHYDE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	CYSTINE	Seed	700	750	-1.6696102828167267	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.
51	ELLAGIC-ACID	Plant	--	--		
51	ELLAGIC-ACID	Fruit	--	--		
76	EUGENOL	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
17	FARNESOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
17	FARNESOL	Plant	--	--		
15	FIBER	Leaf	57000	306000	1.786476373006545	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
62	GALLIC-ACID	Flower	--	--		Wealth of India.
62	GALLIC-ACID	Plant	--	--		
35	GERANIOL	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	GERANYL-ACETATE	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.

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8	GLUTAMIC-ACID	Leaf	10080	54070	0.8730215200517875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	GLYCINE	Leaf	2720	14590	1.1085158262772645	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	HCN	Leaf	--	4.495	-1.1674032562088021	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.
7	HISTIDINE	Leaf	1840	9870	2.255186144347604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Leaf	37	199	-0.4161653734377091	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ISOLEUCINE	Leaf	2800	15020	0.7615009868426974	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ISOLEUCINE	Seed	1075	1100	-1.1983767279324409	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.
2	ISORHAMNETIN-3-RUTINOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
75	KAEMPFEROL	Plant	--	--		
75	KAEMPFEROL	Fruit	--	--		
1	KAEMPFEROL-7-GLUCOSIDE	Plant	--	--		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.
2	LEUCINE	Seed	3700	3750	-1.27607066721136	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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	LEUCINE	Leaf	6000	32190	2.414102856680727	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	LINALOOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
53	LINALOOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	LINALYL-ACETATE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
7	LINALYL-ACETATE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	LINAMARIN	Plant	--	--		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.
27	LINOLEIC-ACID	Seed	12800	50000	-0.48942865171816513	
2	LOTAUSTRALIN	Plant	--	--		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.
4	LYSINE	Leaf	3760	20170	1.6628021945345992	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	LYSINE	Seed	1750	1800	-1.3950017923225162	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.
15	METHIONINE	Leaf	700	3860	0.6425258768913413	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	METHIONINE	Seed	175	200	-1.0625192949985425	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.

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20	METHYL-EUGENOL	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	METHYL-GALLATE	Plant	--	--		
16	METHYL-GALLATE	Fruit	--	--		
21	METHYL-SALICYLATE	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	MUCILAGE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
56	NARINGENIN	Fruit	--	--		Wealth of India.
11	NEROLIDOL	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
39	NIACIN	Leaf	85	457	4.37280098796833	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	NONACOSANE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
2	NONACOSANE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
18	OLEIC-ACID	Seed	4200	16000	-0.847570817071624	
8	P-CRESOL	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
13	PALMITIC-ACID	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
13	PALMITIC-ACID	Seed	2400	9500	-0.503585224724406	
7	PHENYLALANINE	Leaf	2800	15020	1.2243440357218753	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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7	PHENYLALANINE	Seed	1450	1500	-1.1990056353773155	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.
4	PHOSPHORUS	Leaf	840	4519	-0.08324574404567579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Seed	2000	2700	-0.7011725748825549	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	PINITOL	Flower	--	--		Wealth of India.
2	PIPECOLIC-ACID	Plant	--	--		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.
15	RIBOFLAVIN	Leaf	2	9	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
87	RUTIN	Leaf	--	--		Wealth of India.
34	SALICYLIC-ACID	Flower	--	--		
34	SALICYLIC-ACID	Plant	--	--		
1	SERINE	Leaf	3280	17600	1.5524961353748998	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	STEARIC-ACID	Seed	600	2300	-0.515487850383026	
12	STIGMASTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
12	STIGMASTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
31	THIAMIN	Leaf	2	11	0.5617191393000665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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4	THREONINE	Leaf	2000	10730	0.3153628468971734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Seed	1050	1100	-1.574239291812439	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.
3	TRIACONTANOL	Leaf	--	--		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.
29	TRYPTOPHAN	Seed	440	450	-0.9805035053762663	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.
11	TYRAMINE	Plant	--	--		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.
8	TYROSINE	Leaf	2240	12010	1.1112099488478182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Leaf	3120	16740	1.1346165716482157	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Seed	1600	1650	-1.2761249121679237	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.