

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.
0	(+)-GALLOCATECHOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-Z-DECEN-1-OL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-METHYL-3-Z-DECEN-1-OL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-Z-NONENOIC-ACID	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-METHYL-3-Z-NONENOIC-ACID	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	4-HYDROXY-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.
3	ALANINE	Leaf	3440	18450	1.3615480815328946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
2	ALPHA-SPINASTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
23	ALPHA-TERPINEOL	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	AMINO-ACIDS	Plant	--	--		
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.
0	APIGENIN-6,8-BIS-(C-BETA-D-GLUCOPYRANOSIDE)	Leaf	--	--		
0	APIGENIN-6,8-BIS-BETA-D-GLUCOPYRANOSIDE	Plant	--	--		
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
0	ASH	Leaf	10000	53800	-1.146130957061661	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ASPARTIC-ACID	Plant	7040	37770	1.3374636299085358	
24	BENZALDEHYDE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
24	BENZALDEHYDE	Flower	--	--		Pakistan Encyclopedia Planta Medica. 1986.
20	BENZOIC-ACID	Plant	--	--		
20	BENZOIC-ACID	Flower	--	--		
9	BENZYL-ALCOHOL	Flower	--	--		
53	BETA-CAROTENE	Leaf	120	646	1.6753562972527778	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-GERANIOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BETA-GERANIOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CAMPESTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CARBOHYDRATES	Leaf	90000	484200	-1.0151486657995317	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Seed	730000	770000	0.9800291311468579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
0	CIS-3-METHYL-DEC-3-EN-1-OL	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	CIS-3-METHYL-DEC-3-ENOIC-ACID	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
57	COUMARIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
57	COUMARIN	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CRESOLS	Flower	--	--		Wealth of India.
0	CRESOLS	Plant	--	--		
10	CUMINALDEHYDE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	CUMINALDEHYDE	Plant	--	--		
0	CUMINIC-ALCOHOL	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.
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.
0	DECYL-ALDEHYDE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	DECYL-ALDEHYDE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	DIHYDROACTINIDIOLIDE	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	EICOSANE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	EICOSANE	Plant	--	--		
51	ELLAGIC-ACID	Plant	--	--		
51	ELLAGIC-ACID	Fruit	--	--		
0	EO	Flower	5000	50000	1.241286294843234	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ETHYL-ESTER	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ETHYL-PHENOL	Flower	--	--		
76	EUGENOL	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
17	FARNESOL	Plant	--	--		
17	FARNESOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	FAT	Seed	20000	78000	-0.9870374714555853	
0	FAT	Leaf	6000	32280	-0.48187178239214123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	57000	306000	1.786476373006545	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
62	GALLIC-ACID	Plant	--	--		
62	GALLIC-ACID	Flower	--	--		Wealth of India.
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.
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

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
0	HYDROCYANIC-ACID	Leaf	--	4.495	-1	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.
0	HYDROXYACETOPHENONE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
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.
0	ISORHAMNETIN-3,7-GLUCORHAMNOSIDE	Flower	--	--		Wealth of India.
2	ISORHAMNETIN-3-RUTINOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
75	KAEMPFEROL	Fruit	--	--		
75	KAEMPFEROL	Plant	--	--		
0	KAEMPFEROL-7-DIGLUCOSIDE	Fruit	--	--		Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KAEMPFEROL-7-GALLOYLGLUCOSE	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.
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	Leaf	6000	32190	2.414102856680727	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
0	LINALOL	Flower	--	--		
53	LINALOOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	LINALOOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	M-DIGALLIC-ACID	Fruit	--	--		
0	M-DIGALLIC-ACID	Plant	--	--		
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.
20	METHYL-EUGENOL	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	METHYL-GALLATE	Fruit	--	--		
16	METHYL-GALLATE	Plant	--	--		
21	METHYL-SALICYLATE	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	MUCILAGE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	MYRICETIN-4'-METHYLEETHER-3-RHAMNOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	N-ACETYL-DJENKKOLIC-ACID	Plant	--	--		
0	N-ACETYL-DJENKKOLIC-ACID	Seed	--	--		
0	N-METHYL-BETA-PHENETHYLAMINE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	N-METHYL-BETA-PHENETHYLAMINE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
56	NARINGENIN	Fruit	--	--		Wealth of India.
0	NARINGENIN-7-DIGLUCOSIDE	Fruit	--	--		Wealth of India.
0	NARINGENIN-7-GLUCOSIDE	Fruit	--	--		
0	NARINGENIN-7-GLUCOSIDE	Plant	--	--		
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Plant	--	--		
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Fruit	--	--		
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
0	NITROGEN	Leaf	12800	68800	1.2507839376624452	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROLINE	Leaf	4080	21890	1.5418615186449842	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf	80000	430000	2.1763064193199195	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	209000	550000	2.812797734445859	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PRUNIN-O-6'-GALLATE	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.
0	QUERCETIN-3-O-RUTINOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
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	Plant	--	--		
34	SALICYLIC-ACID	Flower	--	--		
1	SERINE	Leaf	3280	17600	1.5524961353748998	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SITOSTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	SITOSTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
8	STEARIC-ACID	Seed	600	2300	-0.515487850383026	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	TANNINS	Fruit	110000	322000	2.5553598458512568	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.
31	THIAMIN	Leaf	2	11	0.5617191393000665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
0	TRANS-3-METHYL-DEC-4-ENOIC-ACID	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	WATER	Leaf	814000	814000	0.031741499590285306	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses