

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Phoenix dactylifera

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Seed	0.6	29.0	-0.4579921356186253	Abstract (See species file)
77	ZINC	Fruit	3.0	4.0	-0.7913051373688869	USDA's Ag Handbook 8 and sequelae)
3	XYLOSE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	WAX	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	WATER	Seed	71700.0	90000.0	-0.5280558401867593	--
0	WATER	Fruit	153000.0	785000.0	0.06271804760462396	--
0	VIT-B-6	Fruit	2.0	3.0	-0.8751338727185397	USDA's Ag Handbook 8 and sequelae)
2	VIOLAXANTHIN	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.
3	VALINE	Fruit	5.0	2710.0	-0.3596290253078901	--
0	URONIC-ACID	Pollen Or Spore				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	TYROSINE	Fruit	10.0	1730.0	-0.2853897488258916	--
29	TRYPTOPHAN	Fruit	500.0	645.0	-0.2883336982090432	USDA's Ag Handbook 8 and sequelae)
0	TRICOSANOIC-ACID	Seed				Abstract (See species file)
0	TRANS-3,5,3',5'-TETRAHYDROXY-4-METHYLSTILBENE	Stem				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	THREONINE	Fruit	10.0	980.0	-0.8470550566495191	--
31	THIAMIN	Fruit	0.1	1.7	-0.4650060616434584	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TANNINS	Plant	7500.0	44800.0	-1.3376143849489774	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.
35	TANNIN	Fruit	200.0	18000.0	-0.7380230311091176	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
14	SULFUR	Fruit	510.0	590.0	-0.5738869470964798	--
0	SUGARS	Fruit	380000.0	850000.0	2.6243722986131766	--
14	SUCROSE	Fruit	0.0	400000.0	2.089285952799339	--
14	SUCROSE	Seed		38200.0	-0.15445921462296788	Abstract (See species file)
12	STIGMASTEROL	Fruit				Abstract (See species file)
0	STIGMAST-4-ENE-3-ONE	Stem				Abstract (See species file)
0	STIGMAST-4-ENE-3,6-DIONE	Stem				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	STIGMAST-4,22-DIENE-3,6-DIONE	Stem				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	STEARIC-ACID	Seed	3000.0	10000.0	-0.3484239972825226	--
5	STARCH	Fruit		206000.0	-0.14195257090516208	Abstract (See species file)
1	STACHYOSE	Seed		2200.0	-1.4073378200507318	Abstract (See species file)
11	SORBITOL	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	SODIUM	Seed	15.0	820.0	0.5859664537894901	Abstract (See species file)
1	SODIUM	Fruit	10.0	380.0	-0.1479158132265294	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	SILICON	Fruit		660.0	1.5358789152594374	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
26	SEROTONIN	Fruit	8.0	9.0	-1.3897978667604325	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
1	SERINE	Fruit	60.0	1960.0	-0.5941860880545526	--
7	SALICYLATES	Fruit	3.0	45.0	-0.20770615344752882	--
87	RUTIN	Pollen Or Spore				Abstract (See species file)
0	RIBOSE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	RIBOFLAVIN	Fruit	0.2	1.3	-0.7944081953947483	--
0	RHAMNOSE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	RAFFINOSE	Seed		3000.0	-0.7470721014785289	Abstract (See species file)
176	QUERCETIN	Pollen Or Spore				Abstract (See species file)
0	PROTEIN	Seed	18200.0	58000.0	-1.5637970615499415	--
0	PROTEIN	Fruit	9000.0	43000.0	-0.8914418450258965	--
0	PROLINE	Fruit	120.0	1590.0	-0.6636420137419976	--
14	POTASSIUM	Seed	28.0	2440.0	-0.8908725075191605	Abstract (See species file)
14	POTASSIUM	Fruit	6250.0	8780.0	-0.8083399078943273	USDA's Ag Handbook 8 and sequelae)
30	POLYPHENOLS	Fruit		30000.0	1.146789651247877	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	PIPECOLIC-ACID	Fruit				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
5	PHYLLOQUINONE	Fruit		0.06	-0.22359887323159108	--
4	PHOSPHORUS	Seed		1120.0	-1.1187018222711056	Abstract (See species file)
4	PHOSPHORUS	Fruit	370.0	8795.0	1.69456590371845	--
7	PHENYLALANINE	Fruit	8.0	740.0	-0.8967709656324975	--
0	PEROXIDASE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PENTOSANS	Fruit		38800.0	-0.45384631987127366	Abstract (See species file)
0	PENTOSANS	Seed		43600.0	-0.7306943367909774	Abstract (See species file)
0	PECTINS	Fruit	7200.0	39000.0	0.7313878222750974	--
11	PANTOTHENIC-ACID	Fruit	8.0	10.0	-0.5169531369709149	USDA's Ag Handbook 8 and sequelae)
2	PALMITOLEIC-ACID	Seed				Abstract (See species file)
13	PALMITIC-ACID	Seed	15000.0	25000.0	-0.18376993157030574	--
4	P-HYDROXYBENZALDEHYDE	Stem				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.
13	P-HYDROXY-BENZOIC-ACID	Stem				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.
9	OXALIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
18	OLEIC-ACID	Seed	27000.0	51000.0	-0.55985026693048	--
39	NIACIN	Fruit	10.0	135.0	0.9932872798882364	--
6	MYRISTIC-ACID	Seed	2400.0	4000.0	-0.24363975823939635	--
15	METHIONINE	Fruit	5.0	2190.0	1.5164823455152185	--
0	MARGARIC-ACID	Seed				Abstract (See species file)
14	MANGANESE	Seed		16.0	-0.467393923690488	Abstract (See species file)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	MANGANESE	Fruit	3.0	45.0	-0.10681336019281051	--
2	MALTOSE	Seed				Abstract (See species file)
65	MAGNESIUM	Fruit	325.0	790.0	-0.6203759963079205	--
4	LYSINE	Fruit	30.0	2450.0	-0.4310869639742895	--
16	LYCOPENE	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.
0	LUTEOLIN-7-RUTINOSIDE	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.
0	LUTEOLIN-7-GLYCOSIDE	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.
15	LUTEIN	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.
0	LUPYL-ACETATE	Stem				--
2	LUPEOL-ACETATE	Stem				--
21	LUPEOL	Stem				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	LINONELIC-ACID	Seed				Abstract (See species file)
27	LINOLEIC-ACID	Seed	6000.0	10000.0	-0.8321526228533093	--
1	LEUCOANTHOCYANIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	LEUCINE	Fruit	5.0	1140.0	-0.8420937960569738	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LEAD	Seed	0.1	4.0	0.4585092910843749	Abstract (See species file)
7	LAURIC-ACID	Seed	4800.0	54000.0	-0.028060776935393963	--
4	LACTOSE	Seed				Abstract (See species file)
0	KILOCALORIES	Fruit	1420.0	3550.0	-0.16790939262374893	--
3	ISOLEUCINE	Fruit	20.0	4650.0	0.3040077606201815	--
0	ISOFUCOSTEROL	Fruit				Abstract (See species file)
4	ISOCHLOROGENIC-ACID	Fruit				Abstract (See species file)
6	IRON	Seed	5.0	17.0	-0.6216437483021793	Abstract (See species file)
6	IRON	Fruit	10.0	151.0	0.07148811973975773	--
12	IODINE	Fruit		0.06	-0.2904150459573493	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	INVERTASE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	HISTIDINE	Fruit	10.0	390.0	-0.9273080508754981	--
0	HENEICOSANOIC-ACID	Seed				Abstract (See species file)
0	GLYCOSYLAPIGENIN	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.
12	GLYCINE	Fruit	40.0	3010.0	-0.2300074341376021	--
5	GLUTAMINE	Fruit	650.0	870.0	1.1267392876723437	--
8	GLUTAMIC-ACID	Fruit	400.0	6160.0	-0.5507946581831958	--
7	GLUCOSE	Seed		16800.0	-0.14985111390158956	Abstract (See species file)
7	GLUCOSE	Fruit		357000.0	2.893929119951419	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.
22	GAMMA-AMINOBUTYRIC-ACID	Fruit	2660.0	3370.0	1.7044292848924936	Abstract (See species file)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	GALLO-TANNIN	Plant	4300.0	27800.0		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	GALACTURONIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	GALACTOSE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
22	GABA	Fruit	2660.0	3370.0	1.407126578678398	--
8	FRUCTOSE	Seed		15300.0	1.4089399073526936	Abstract (See species file)
8	FRUCTOSE	Fruit		308000.0	4.088589817170726	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	FOLACIN	Fruit	0.08	0.17	-0.7670170596960343	USDA's Ag Handbook 8 and sequelae)
0	FLAVOXANTHIN	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.
15	FIBER	Seed	64000.0	300000.0	1.304614634419771	--
15	FIBER	Fruit	22000.0	85000.0	-0.5348255773149249	--
0	FAT	Seed	60000.0	100000.0	-0.8711556020733713	--
0	FAT	Fruit	1000.0	25000.0	-0.4503041007248309	--
8	ESTRONE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	ESTRONE	Pollen Or Spore				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ESTROGEN	Seed				Abstract (See species file)
5	ERGOSTEROL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	ELLAGITANNIN	Plant	0.0	9900.0		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	DEHYDRO-BETA-CAROTENE	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.
0	DACTYLIFRIC-ACID	Fruit				Abstract (See species file)
0	D-MANNOSE	Seed				Abstract (See species file)
2	CYSTINE	Fruit	7.0	580.0	-0.4707560662338592	--
13	CYSTEINE	Fruit	110.0	1140.0	1.0	Abstract (See species file)
57	COUMARIN	Leaf				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
12	COPPER	Seed	0.6	2.0	-1.1623352892566066	Abstract (See species file)
12	COPPER	Fruit	2.0	4.0	-0.6863742487163819	--
0	CIS-3,5,3',5'-TETRAHYDROXY-4-METHYLSTILBENE	Stem				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	CHOLESTEROL	Fruit		0.0		USDA's Ag Handbook 8 and sequelae)
1	CHOLESTEROL	Pollen Or Spore				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
21	CHLOROPHYLL	Fruit	0.0	410.0	1.542593994049385	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
77	CHLOROGENIC-ACID	Fruit				Abstract (See species file)
7	CHLORINE	Fruit	270.0	310.0	-0.4791512669647793	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CHLORIDE	Seed		1610.0	1.413247926503847	Abstract (See species file)
0	CARBOHYDRATES	Seed	655000.0	853000.0	1.3098878992465333	--
0	CARBOHYDRATES	Fruit	366100.0	948500.0	0.8856462811146213	USDA's Ag Handbook 8 and sequelae)
5	CAPRYLIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	CAPRIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	CAMPESTEROL	Stem				Abstract (See species file)
0	CAMPESTAN-4-EN-3-ONE	Stem				Abstract (See species file)
0	CAMPEST-4-EN-3-ONE	Stem				Abstract (See species file)
0	CAMPEST-4-EN-3,6-DIONE	Stem				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.
28	CALCIUM	Fruit	140.0	2000.0	-0.4283573443119461	--
28	CALCIUM	Seed	18.0	436.0	-0.6814478670478287	Abstract (See species file)
3	CADMIUM	Seed	0.0	9.0	4.252910566397704	Abstract (See species file)
0	BRASSICASTEROL	Seed				Abstract (See species file)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	BORON	Fruit		7.0	-0.6629690111653129	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
47	BETA-SITOSTEROL	Pollen Or Spore				Abstract (See species file)
53	BETA-CAROTENE	Fruit	1.0	3.6	-0.14384189399264724	--
9	BETA-AMYRIN	Pollen Or Spore				Abstract (See species file)
20	BENZOIC-ACID	Stem				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	BEHENIC-ACID	Seed				Abstract (See species file)
0	BAIKIAIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ASPARTIC-ACID	Fruit	20.0	3150.0	-0.9207574415888534	--
2	ASPARAGINE	Fruit	2300.0	4500.0	2.264581694669994	Abstract (See species file)
0	ASH	Seed	8900.0	18000.0	-0.8987230012448024	--
0	ASH	Fruit	5000.0	44800.0	-0.30721619226445124	--
112	ASCORBIC-ACID	Fruit	0.0	750.0	-0.23785626092666567	--
14	ARGININE	Fruit	620.0	2090.0	-0.5920936366686652	--
0	ARACHIDIC-ACID	Seed				Abstract (See species file)
0	ARABINOSE	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
101	APIGENIN	Stem				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.
5	ALUMINUM	Seed	3.0	13.0	-0.34201085436666395	Abstract (See species file)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALUMINUM	Fruit		51.0	-0.20868440554018103	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	ALANINE	Fruit	80.0	1290.0	-0.9501454757917915	--
6	ACETALDEHYDE	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	7BETA-GLUCOSYL-CHRYSOERIOLOL	Stem				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	6BETA-HYDROXYSTIGMATA-4,22-DIEN-3-ONE	Stem				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	6BETA-HYDROXYCAMPEST-4-ENE-3-ONE	Stem				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	6-BETA-HYDROXY-STIGMATA-4-EN-3-ONE	Stem				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	5ALPHA-CAMPESTERAN-3,6-DIONE	Stem				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	5-OXYPIPECOLIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	5-O-CAFFEYLSHIKIMIC-ACID	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	5-ALPHA-STIGMASTAN-3,6-DIONE	Stem				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	5-ALPHA-STIGMAST-22-ENE-3,6-DIONE	Stem				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	4-HYDROXY-3-METHOXYBENZALDEHYDE	Stem				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	4-HYDROXY-3-METHOXY-CINNAMIC-ACID	Stem				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	3-CAFFEYOYLSHIKIMIC-ACID	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.
0	3,5-DIHYDROXY-4-METHOXYBENZALDEHYDE	Stem				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	3,5-DIHYDROXY-4-METHOXY-BENZOIC-ACID	Stem				Abstract (See species file)
0	3,5,4'-TRIHYDROXYSTILBENE	Stem				Abstract (See species file)
0	2-O-METHYLXYLOSE	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	2,3-DI-O-METHYLXYLOSE	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	2,3,4-TRI-O-METHYLXYLOSE	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.