

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ficus carica*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	24-METHYLENE-CYCLOARTANOL	Leaf		0.8		--
1	4,6-BENZYLIDENE-D-GLUCOSE	Plant				Jim Duke's personal files.
6	ACETALDEHYDE	Fruit				--
16	ACETIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
3	ALANINE	Fruit	450.0	2154.0	-0.6105691816515194	USDA's Ag Handbook 8 and sequelae)
28	ALPHA-PINENE	Leaf Essent. Oil				--
23	ALPHA-TERPINEOL	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
17	ANGELICIN	Fruit				--
17	ANGELICIN	Flower				--
30	ANTHOCYANINS	Fruit				--
14	ARGININE	Fruit	170.0	814.0	-0.9324506266541539	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Leaf	1050.0	3300.0	-0.1377221475912628	--
112	ASCORBIC-ACID	Fruit	20.0	2013.0	-0.1593267191094614	--
3	ASPARTIC-ACID	Fruit	1760.0	3447.0	-0.8817387558566588	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	ASTRAGALIN	Fruit				--
24	BENZALDEHYDE	Fruit		1.0	-0.7971374823616315	--
9	BENZYL-ACETATE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	BENZYL-ALCOHOL	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	BENZYL-ALCOHOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
26	BERGAPTEN	Fruit				--
26	BERGAPTEN	Plant				--
26	BERGAPTEN	Resin, Exudate, Sap	10.0	620.0		--
26	BERGAPTEN	Leaf	10.0	10300.0	1.7319957626454692	--
9	BETA-AMYRIN	Leaf				--
53	BETA-CAROTENE	Fruit	0.3	16.0	-0.1198729174062354	--
3	BETA-DAMASCENONE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
13	BETA-IONONE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
13	BETA-PINENE	Leaf Essent. Oil				--
47	BETA-SITOSTEROL	Fruit	270.0	1350.0	0.9794982438822163	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
47	BETA-SITOSTEROL	Leaf				--
1	BORIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	BORON	Fruit	1.0	100.0	1.2094732141242015	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).
6	BUTYRIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Leaf		31600.0	0.899384453174466	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Fruit	350.0	4228.0	0.0857767672851336	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CAMPESTEROL	Fruit	10.0	50.0	-0.2347946444898352	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
31	CARYOPHYLLENE	Leaf Essent. Oil				--
31	CARYOPHYLLENE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
6	CARYOPHYLLENE-EPOXIDE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
60	CINNAMALDEHYDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CINNAMIC-ALCOHOL	Fruit				Gibernau, M., Buser, H. R., Frey, J. E., Hossaert-McKey, M. 1997. Volatile compounds from extracts of figs of <i>Ficus carica</i> . <i>Phytochemistry</i> , 46(2): 241-244.
3	CINNAMYL-ACETATE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
6	CINNAMYL-ALCOHOL	Fruit				--
23	CITRIC-ACID	Fruit	1000.0	4400.0	-0.5796391543489376	--
12	COPPER	Fruit	0.6	3.6	-0.7175060264095684	USDA's Ag Handbook 8 and sequelae)
2	CRYPTOXANTHIN	Fruit				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
2	CYSTINE	Fruit	120.0	574.0	-0.4770149932276201	USDA's Ag Handbook 8 and sequelae)
24	ETHANOL	Fruit				--
6	ETHYL-ACETATE	Fruit				--
1	ETHYL-BUTYRATE	Fruit				--
2	ETHYL-ISOBUTYRATE	Fruit				--
1	ETHYL-PROPIONATE	Fruit				--
1	ETHYL-VALERATE	Fruit				--
76	EUGENOL	Flower				--
76	EUGENOL	Fruit				--
61	FERULIC-ACID	Plant				--
15	FIBER	Leaf	47000.0	171000.0	0.11704656450350523	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Fruit	12000.0	154000.0	0.11629159077726237	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	FICIN	Latex Exudate				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	FRUCTOSE	Fruit		22950.0	-0.569325632580247	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	FUMARIC-ACID	Fruit				--
7	FUMARIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
1	GALACTOSE	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.
2	GAMMA-CAROTENE	Fruit				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
5	GERANYL-ACETATE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	GERANYL-ACETONE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
2	GERMACRENE-D	Leaf Essent. Oil				--
2	GERMACRENE-D	Fruit				--
7	GLUCOSE	Fruit		31050.0	-0.5655601177152991	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	GLUTAMIC-ACID	Fruit	720.0	3447.0	-0.7619238726554377	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Fruit	250.0	1197.0	-0.9313447483769386	USDA's Ag Handbook 8 and sequelae)
1	GLYOXYLIC-ACID	Fruit				Abstract (See species file)
18	GUAIACOL	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.
6	GUAIAZULENE	Root				--
7	HISTIDINE	Fruit	110.0	527.0	-0.8312546213704974	USDA's Ag Handbook 8 and sequelae)
15	INDOLE	Fruit				--
6	IRON	Fruit	3.0	57.0	-0.30138454539939624	--
2	ISOAMYL-ACETATE	Fruit				--
3	ISOBUTYL-ACETATE	Fruit				--
3	ISOLEUCINE	Fruit	230.0	1101.0	-0.7619167029962521	USDA's Ag Handbook 8 and sequelae)
22	ISOQUERCITRIN	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	JASMONE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
75	KAEMPFEROL	Plant				--
2	LEUCINE	Fruit	330.0	1580.0	-0.7485549827666241	USDA's Ag Handbook 8 and sequelae)
60	LIMONENE	Leaf Essent. Oil				--
53	LINALOOL	Fruit				--
53	LINALOOL	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
53	LINALOOL	Leaf Essent. Oil				--
7	LINALYL-ACETATE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
27	LINOLEIC-ACID	Seed	84000.0	105000.0	-0.018183191407341856	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Fruit	1440.0	6893.0	-0.2581500966345183	USDA's Ag Handbook 8 and sequelae)
21	LUPEOL	Leaf				--
2	LUPEOL-ACETATE	Leaf				--
15	LUTEIN	Fruit				--
4	LYSINE	Fruit	300.0	1436.0	-0.69370650187969	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Fruit	158.0	872.0	-0.5824052321261196	USDA's Ag Handbook 8 and sequelae)
15	MALIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
15	MALIC-ACID	Leaf		23400.0	1.658552103888763	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	MALIC-ACID	Fruit		30200.0	1.0144129110026165	--
1	MALONIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
1	MALONIC-ACID	Fruit				--
14	MANGANESE	Fruit	1.0	7.0	-0.3573804031034436	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Fruit	60.0	287.0	-0.8269303802419685	USDA's Ag Handbook 8 and sequelae)
3	METHYL-ACETATE	Fruit				--
4	METHYL-BENZOATE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
2	METHYL-BUTYRATE	Fruit				--
21	METHYL-SALICYLATE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	MUCILAGE	Fruit		8000.0	-0.6131393394849656	--
13	MUFA	Fruit	660.0	3159.0	-0.20801625375338736	USDA's Ag Handbook 8 and sequelae)
22	MYRCENE	Leaf Essent. Oil				--
6	MYRISTIC-ACID	Fruit	20.0	96.0	-0.26461482182215423	USDA's Ag Handbook 8 and sequelae)
2	NEOXANTHIN	Leaf				--
39	NIACIN	Fruit	3.0	32.0	-0.3836439697079757	--
64	OLEANOLIC-ACID	Leaf				--
18	OLEIC-ACID	Fruit	660.0	3159.0	-0.45639769015151355	USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Seed	47520.0	59400.0	-0.49079733489660543	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	OXALIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
9	OXALIC-ACID	Fruit				--
25	P-COUMARIC-ACID	Wood				--
16	P-CYMENE	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.
13	PALMITIC-ACID	Leaf				--
13	PALMITIC-ACID	Seed	12552.0	15690.0	-0.3758654399099622	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	PALMITIC-ACID	Fruit	460.0	2202.0	-0.3312551270089208	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Fruit	3.0	14.0	-0.26180763476426655	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	PECTIN	Leaf		48400.0	0.3684294892824703	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.
24	PECTIN	Fruit	9300.0	77900.0	0.2946294404122596	--
7	PHENYLALANINE	Fruit	180.0	862.0	-0.8544603677807813	USDA's Ag Handbook 8 and sequelae)
2	PHOSPHATIDYL-CHOLINE	Fruit				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
4	PHOSPHORUS	Fruit	129.0	2764.0	-0.13728876007644641	--
5	PHYLLOQUINONE	Fruit		0.03	-0.22830354526872618	--
2	PHYTOSTEROLS	Fruit	310.0	1484.0	0.6939007473840271	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Fruit	1770.0	11662.0	-0.5533589202887144	--
31	PSORALEN	Plant				--
31	PSORALEN	Fruit				--
31	PSORALEN	Leaf	40.0	8000.0	1.4142045012232562	--
31	PSORALEN	Resin, Exudate, Sap	60.0	2090.0		--
4	PUFA	Fruit	1440.0	6893.0	-0.34607037775471583	USDA's Ag Handbook 8 and sequelae)
176	QUERCETIN	Plant				--
1	QUINIC-ACID	Fruit				--
3	QUINOLINE	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
15	RIBOFLAVIN	Fruit	0.0	5.7	0.14792503727695389	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	RUBIXANTHIN	Fruit				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
87	RUTIN	Leaf	500.0	14300.0	-0.11676895230429095	--
87	RUTIN	Fruit				--
5	SABINENE	Leaf Essent. Oil				--
7	SALICYLATES	Fruit	1.8	64.0	-0.1532243345294284	--
1	SCHAFTOSIDE	Fruit				--
1	SCHAFTOSIDE	Leaf	300.0	500.0	1.0	--
44	SCOPOLETIN	Leaf				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
1	SERINE	Fruit	370.0	1771.0	-0.6609128679965077	USDA's Ag Handbook 8 and sequelae)
14	SHIKIMIC-ACID	Fruit				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
1	SODIUM	Fruit	10.0	366.0	-0.14924341750343995	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Seed	5232.0	6540.0	-0.4234942481562553	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	STEARIC-ACID	Fruit	120.0	574.0	-0.24115490421696825	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	STIGMASTEROL	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	STIGMASTEROL	Fruit	30.0	150.0	0.9081170456403248	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
7	SUCCINIC-ACID	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
7	SUCCINIC-ACID	Fruit				--
14	SUCROSE	Fruit	2250.0	460000.0	2.5147011871941167	--
6	SYRINGIC-ACID	Wood				--
35	TANNIN	Stem Bark		5000.0	-0.9527410888855545	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
35	TANNIN	Leaf		36000.0	-0.9098640485005256	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
6	TARTARIC-ACID	Fruit				Abstract (See species file)
31	THIAMIN	Fruit	0.0	3.3	-0.2601975950450288	--
4	THREONINE	Fruit	240.0	1149.0	-0.7768030725741027	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
93	TOCOPHEROL	Fruit		1.0	-0.7544576261264118	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
2	TRANS-BETA-FARNESENE	Leaf Essent. Oil				--
29	TRYPTOPHAN	Fruit	60.0	287.0	-0.7907677087791928	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Fruit	320.0	1532.0	-0.36743580533251863	USDA's Ag Handbook 8 and sequelae)
22	UMBELLIFERONE	Wood		6.0		--
22	UMBELLIFERONE	Leaf				--
3	VALINE	Fruit	280.0	1340.0	-0.642297851855113	USDA's Ag Handbook 8 and sequelae)
24	VANILLIC-ACID	Wood				--
2	VIOLAXANTHIN	Fruit				--
3	XANTHOPHYLL	Fruit				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
43	XANTHOTOXIN	Leaf				--
5	XANTHOTOXOL	Leaf				--
3	XYLOSE	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.
77	ZINC	Fruit	1.0	7.0	-0.7010475051378668	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses