

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Schisandra chinensis

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-DEOXYSCHIZANDRIN	Fruit		548.1		--
0	(+)-GOMISIN-K-2	Fruit		7.0		--
0	(-)-GOMISIN-K-1	Fruit		63.0		--
0	(DL)-GAMMA-SCHIZANDRIN	Fruit				--
0	6-O-BENZOYLGOMISIN-I	Fruit		3.3		--
0	ALPHA-CHAMIGRENE	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
5	ALUMINUM	Fruit		174.0	-0.1729010421284495	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	ANGELOYLGOMISIN-H	Fruit	65.0	310.0		--
0	ANGELOYLGOMISIN-O	Fruit		10.1		--
0	ANGELOYLGOMISIN-P	Fruit		8.0		--
0	ANGELOYLGOMISIN-Q	Fruit		47.0		--
0	ANGELOYLISOGOMISIN-O	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ARGOLIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
2	ARSENIC	Fruit		0.18	-0.30624870908297014	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
112	ASCORBIC-ACID	Fruit	153.0	1022.0	-0.22094411890427487	--
0	ASH	Fruit	6900.0	46000.0	-0.2761417753531496	--
0	BENZOYLGOMISIN	Fruit				--
0	BENZOYLGOMISIN-H	Fruit	20.0	30.0		--
0	BENZOYLISOGOMISIN-O	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-2-BISABOLENE	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
53	BETA-CAROTENE	Fruit	9.0	61.0	-0.03288872818135363	--
0	BETA-CHAMIGRENE	Essential Oil				--
0	BETA-CHAMIGRENE	Fruit				--
0	BETA-CHAMIGRENOL	Essential Oil				Chemical Constituents of Oriental Herbs (3 diff. books)
47	BETA-SITOSTEROL	Fruit				--
28	CALCIUM	Fruit	864.0	5760.0	0.439301659101438	--
0	CARBOHYDRATES	Fruit		709000.0	-0.39508329928980507	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	CARBOXYLIC-ACID	Fruit				Lawrence Review of Natural Products, Jun-88.
0	CHAMIGRENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
24	CHROMIUM	Fruit	0.3	1.8	-0.25480859243409615	--
53	CITRAL	Essential Oil				Chemical Constituents of Oriental Herbs (3 diff. books)
23	CITRIC-ACID	Fruit	5000.0	33333.0	-0.10601794590618502	--
23	CITRIC-ACID	Plant				--
2	COBALT	Fruit	2.0	10.4	0.7239010798038872	--
12	COPPER	Fruit	5.0	11.0	-0.14156813908561597	--
0	D-ALPHA-YLANGENE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	DEANGELOYLGOMISIN-B	Fruit				--
0	DEOXYGOMISIN-A	Fruit				--
1	DEOXYGOMOSIN-A	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	DEOXYSCHIZANDRIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DEOXYSCHIZANDRIN	Fruit		10.0		--
0	DIMETHYLGOMISIN-J	Fruit				--
0	EO	Leaf				--
0	EO	Branches				--
0	EO	Bark				--
0	EO	Fruit	10000.0	30000.0	-0.23685155415738732	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	EPIGOMISIN-O	Fruit		10.2		--
0	EPSILON-SCHIZANDRIN	Seed				--
0	FAT	Fruit	17100.0	114000.0	0.22947074040299184	--
15	FIBER	Fruit		76000.0	-0.6197539035878189	Pedersen, M. 1987. Nutritional Herbiology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FIBER(CRUDE)	Fruit		76000.0	-0.8423176766035232	--
0	FIBER(DIETARY)	Fruit		320000.0	-0.9715942860730087	--
3	FLUORIDE	Fruit		2.1	0.26994330851757437	--
7	FUMARIC-ACID	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GAMMA-SCHIZANDRIN	Fruit		120.0		--
0	GAMMA-SCHIZANDRIN	Plant				--
0	GOGOMISIN-D	Fruit				--
0	GOMISIN-A	Tissue Culture		40.0		--
0	GOMISIN-A	Fruit	10.0	1900.0		--
0	GOMISIN-B	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-C	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-D	Fruit	157.0	160.0		--
2	GOMISIN-E	Fruit		67.0		--
0	GOMISIN-F	Fruit		40.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	GOMISIN-G	Fruit		160.0		--
1	GOMISIN-H	Fruit		10.0		--
1	GOMISIN-J	Fruit	230.0	380.0		--
0	GOMISIN-K-1	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-K-2	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-K-3	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-L-1	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-L-1-METHYL-ETHER	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	GOMISIN-L-2	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GOMISIN-M-1	Fruit		12.0		--
0	GOMISIN-M-2	Fruit		7.0		--
1	GOMISIN-N	Fruit	59.0	3100.0		--
0	GOMISIN-O	Fruit		23.1		--
0	GOMISIN-R	Fruit		10.1		--
0	GOMISIN-S	Fruit		10.1		--
0	GOMISIN-T	Fruit		2.4		--
6	IRON	Fruit	5.0	35.0	-0.38865261596387907	--
0	ISOSCHISANDROLIC-ACID	Fruit				--
1	ISOSCHIZANDRIN	Fruit		12.0		--
0	KAEMPFEROL-3-O-BETA-RUTINOSIDE	Fruit		0.8		--
0	KILOCALORIES	Fruit		4020.0	0.5459394254271432	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	L-MALIC-ACID	Fruit		140.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LIGNAN	Hull Husk	7000.0	57000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LIGNAN	Petiole	7000.0	57000.0		--
0	LIGNAN	Seed		80000.0		--
10	LIGNANS	Stem		100000.0		Lawrence Review of Natural Products, Jun-88.
10	LIGNANS	Fruit	3000.0	20000.0		--
10	LIGNANS	Seed	80000.0	190000.0	1.0	--
0	LINOLENIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	M-SCHIZANDRIN	Seed				--
65	MAGNESIUM	Fruit	414.0	2760.0	0.2918484602548554	--
15	MALIC-ACID	Plant				--
15	MALIC-ACID	Fruit	5000.0	33333.0	1.2183902770726902	--
14	MANGANESE	Fruit	0.6	3.7	-0.37914017261936706	--
0	MESO-DIHYDROGUAIARETIC-ACID	Fruit		27.0		--
39	NIACIN	Fruit				--
0	OCTADECANOIC-ACID-2-3-DIHYDROXY-PROPYL-ESTER	Fruit				--
0	P-SCHIZANDRIN	Seed				--
13	PALMITIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
2	PALMITOLEIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PECTINS	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHOSPHOLIPIDS	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
4	PHOSPHORUS	Fruit	639.0	4260.0	0.31710596335866637	--
14	POTASSIUM	Fruit	1545.0	10300.0	-0.673859997706773	--
0	PREGOMISIN	Fruit	116.0	120.0		--
0	PROTEIN	Fruit	19650.0	131000.0	0.2882364210274472	--
43	PROTocatechuic-acid	Fruit		58.3	-1.0000000000000002	--
43	PROTocatechuic-acid	Plant				--
0	PSEUDO-GAMMA-SCHIZANDRIN	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	RESINS	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
15	RIBOFLAVIN	Fruit	0.1	0.5	-0.9657415104259668	--
7	SCHISANDRIN	Seed				--
7	SCHISANDRIN	Stem				--
7	SCHISANDRIN	Fruit				--
0	SCHISANDROL	Stem				--
0	SCHISANDROL	Seed				--
0	SCHISANDROLIC-ACID	Fruit				--
1	SCHISANHENOL	Seed				--
1	SCHISANHENOL	Fruit				--
0	SCHISANTHENOL	Fruit		66.0		--
1	SCHISANTHERIN-A	Fruit				--
0	SCHISANTHERIN-B	Fruit				--
0	SCHISANTHERIN-D	Fruit		13.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SCHIZANDER-A	Fruit				--
0	SCHIZANDRER-A	Fruit				--
0	SCHIZANDRER-B	Fruit				--
2	SCHIZANDRIN	Fruit	65.0	2600.0		--
2	SCHIZANDRIN	Plant				--
2	SCHIZANDRIN	Seed				--
0	SCHIZANDRIN-A	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	SCHIZANDRIN-A	Fruit				--
0	SCHIZANDRIN-B	Fruit				--
0	SCHIZANDRIN-C	Fruit				--
0	SCHIZANDROL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	SCHIZANDROL-A	Fruit				--
1	SCHIZANDROL-B	Fruit				--
1	SCHIZANDROL-B	Seed				--
0	SCHIZANTHERIN-A	Fruit		40.0		--
0	SCHIZANTHERIN-A	Plant				--
0	SCHIZANTHERIN-A	Seed				--
0	SCHIZANTHERIN-B	Seed				--
0	SCHIZANTHERIN-B	Plant				--
0	SCHIZANTHERIN-B	Fruit		220.0		--
60	SELENIUM	Fruit	0.1	0.7	-0.21260376123491576	--
0	SESQUICARENE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
4	SILICON	Fruit	0.5	3.4	-0.5973964111311393	--
1	SODIUM	Fruit	15.0	97.0	-0.17475238539550708	--
7	SORBIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	STEARIC-ACID	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	STEROIDS	Seed		1000.0	-1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SUGARS	Fruit	18000.0	120000.0	-0.388868598447453	--
9	SYRINGIN	Leaf				--
35	TANNIN	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	TARTARIC-ACID	Fruit	5000.0	33333.0	-0.06443554315310286	--
6	TARTARIC-ACID	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
31	THIAMIN	Fruit		0.0	-0.6826150574042895	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THIAMINE	Fruit				--
0	THYMOQUINOL-2-O-BETA-D-GLUCOPYRANOSIDE	Fruit		3.3		--
0	THYMOQUINOL-5-O-BETA-D-GLUCOPYRANOSIDE	Fruit		3.1		--
0	TIGLOYLGOMISIN-G	Fruit				--
0	TIGLOYLGOMISIN-H	Fruit	10.0	140.0		--
0	TIGLOYLGOMISIN-P	Fruit		13.0		--
4	TIN	Fruit		940.0	3.3083276783160853	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	TOCOPHEROLS	Seed		12.0	-0.7232633947246411	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WATER	Fruit		913000.0	0.6192740288723317	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WAX	Seed		5000.0	-1.176964698552741	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WUEIZISU-C	Plant				--
0	WUWEICHUN-A	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	WUWEICHUN-B	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	WUWEIZI-ESTER	Seed				--
0	WUWEIZI-ESTER-A	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	WUWEIZI-ESTER-B	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	WUWEIZICHUN-B	Seed				--
1	WUWEIZICHUN-B	Fruit				--
1	WUWEIZICHUN-B	Plant				--
0	WUWEIZISU-A	Seed				--
0	WUWEIZISU-A	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	WUWEIZISU-B	Seed				--
0	WUWEIZISU-B	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	WUWEIZISU-C	Fruit	10.0	720.0		--
1	WUWEIZISU-C	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Fruit				--