

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Allium schoenoprasum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-O-FERULOYL-BETA-D-GLUCOSE	Leaf				--
0	1-O-P-COUMAROYL-BETA-D-GLUCOSE	Leaf				--
0	2-METHYL-2-BUTENAL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	2-METHYL-2-PENTENAL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	3,5-DIETHYL-1,2,4-TRITHIOLANE	Leaf				--
3	ALANINE	Leaf	1260.0	15830.0	0.7521584724234085	USDA's Ag Handbook 8 and sequelae)
0	ALLITHIAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALLIUM-LECTIN	Latex Exudate				--
1	ALLYL-DISULFIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
8	ALLYL-MERCAPTAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
15	ALPHA-LINOLENIC-ACID	Leaf	130.0	1625.0	-0.9903727219492743	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Leaf	2020.0	25350.0	0.41927551453613565	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Leaf	57.0	9875.0	0.4723540697439913	--
0	ASH	Leaf	4000.0	128000.0	0.16118195052151324	--
3	ASPARTIC-ACID	Leaf	2590.0	32400.0	0.33884520103249316	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Leaf	34.0	475.0	0.930660444061161	--
102	CAFFEIC-ACID	Leaf		0.5	-0.715857836754432	--
28	CALCIUM	Leaf	690.0	11140.0	-0.4985991714496266	--
2	CAMPESTEROL	Leaf		10.0	-0.8494338122991827	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
0	CARBOHYDRATES	Leaf	38000.0	667000.0	0.43858937327215497	--
0	CHRYSANTHEMIN	Stem				--
0	CIS-PENTYL-HYDRO-DISULFIDE	Essential Oil				--
0	CIS-PROPENYL-PROPYL-DISULFIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CIS-PROPYL-2-PROPENYLDISULFIDE	Plant				Wealth of India.
23	CITRIC-ACID	Leaf				--
12	COPPER	Leaf	1.0	24.0	-0.10064713303346391	Revised USDA data received 1993.
0	CYANIDIN-3-O-BETA-(3"-6"-DIMALONYL-GLUCOSIDE)	Stem				--
0	CYANIDIN-3-O-BETA-(3"-O-BETA-D-GLUCOSYL-GLUCOSIDE)	Stem				--
0	CYANIDIN-3-O-BETA-(6"-MALONYL-3"-O-BETA-D-GLUCOPYRANOSYL-GLUCOPYRANOSIDE)	Stem				--
0	CYANIDIN-3-O-BETA-(6"-MALONYL-3"-O-BETA-GLUCOPYRANOSYL-GLUCOPYRANOSIDE)	Stem				--
0	CYANIDIN-3-O-BETA-(6"-MALONYL-GLUCOPYRANOSIDE)	Stem				--
5	CYANIN	Stem				--
0	DESOXYRIBONUCLEIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	DIALANINE	Seed				Wealth of India.
2	DIMETHYL-SULFIDE	Plant				Wealth of India.
4	DIPROPYL-DISULFIDE	Essential Oil				--
0	DOTRIACONTANAL	Plant				--
0	DOTRIACONTANAL	Leaf				--
0	FAT	Leaf	3000.0	89518.0	0.6586976979461616	--
61	FERULIC-ACID	Leaf		0.5	-1.0842680798316504	--
15	FIBER	Leaf	7000.0	137500.0	-0.2972193509398417	--
0	FOLATE	Leaf	1.0	11.0	1.52127765851133	USDA's Ag Handbook 8 and sequelae)
7	FUMARIC-ACID	Leaf				--
1	GALACTOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	GAMMA-GLUTAMYL-PEPTIDASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GAMMA-GLUTAMYL-PEPTIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	GAMMA-GLUTAMYL-S-ALLYLCYSTEINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	GAMMA-GLUTAMYL-TRIPETIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	GAMMA-L-GLUTAMYL-S-(PROP-1-ENYL)-L-CYSTEINE	Seed				Wealth of India.
0	GAMMA-L-GLUTAMYL-S-PROPYL-L-CYSTEINE	Seed				Wealth of India.
7	GLUCOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
8	GLUTAMIC-ACID	Leaf	5790.0	72400.0	1.864122232129579	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Leaf	1390.0	17375.0	1.8481537597591051	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Leaf	480.0	6090.0	0.3581707187383524	USDA's Ag Handbook 8 and sequelae)
6	IRON	Leaf	8.0	200.0	-0.41363063591366483	--
3	ISOLEUCINE	Leaf	1190.0	14875.0	0.7241472510198993	USDA's Ag Handbook 8 and sequelae)
0	ISORHAMNETIN-3-BETA-D-GLUCOSIDE	Leaf				Wealth of India.
0	ISORHAMNETIN-GLYCOSIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
75	KAEMPFEROL	Leaf	16.0	55.0	-0.4750733041944262	--
0	KAEMPFEROL-3-BETA-D-GLUCOSIDE	Leaf				Wealth of India.
0	KAEMPFEROL-DIGLUCOSIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	KAEMPFEROL-GLUCOSIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	KAEMPFEROL-TRIGLUCOSIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	KILOCALORIES	Leaf	300.0	3210.0	0.3093547221126032	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Leaf	1670.0	20875.0	0.6716266169457046	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Leaf	2220.0	27750.0	3.3074762915888694	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Leaf	1630.0	17435.0	1.0400528624977512	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Leaf	355.0	6875.0	1.0615816201586543	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	MALIC-ACID	Leaf				--
14	MANGANESE	Leaf	3.0	40.0	-0.3933875459480371	Revised USDA data received 1993.
15	METHIONINE	Leaf	300.0	3850.0	0.6342145968917519	USDA's Ag Handbook 8 and sequelae)
0	METHYL-2-PROPENYLDISULFIDE	Plant				Wealth of India.
0	METHYL-ALLYL-ALLITHIAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	METHYL-DISULFIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	METHYL-PENTYL-DISULFIDE	Leaf Essent. Oil		16000.0		--
0	METHYL-PENTYL-DISULFIDE	Essential Oil				--
0	METHYL-PROPYL-DISULFIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
13	MUFA	Leaf	840.0	10500.0	0.2923626056480234	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Leaf	30.0	3635.0	1.8149858989461904	USDA's Ag Handbook 8 and sequelae)
0	N,N'-BIS-(GAMMA-GLUTAMYL)-3,3'-(2-METHYL-ETHYLENE-1,2-DITHIOL)-DIALANINE	Seed				Wealth of India.
0	N,N'-BIS-(GAMMA-GLUTAMYL)-L-CYSTINE	Seed				Wealth of India.
39	NIACIN	Leaf	5.0	88.0	-0.11556345472526287	USDA's Ag Handbook 8 and sequelae)
6	OCTACOSANOL	Plant				--
6	OCTACOSANOL	Leaf				--
18	OLEIC-ACID	Leaf	840.0	10500.0	0.8290115018571919	USDA's Ag Handbook 8 and sequelae)
9	OXALIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
25	P-COUMARIC-ACID	Leaf		21.0	-0.34446373826744014	--
13	PALMITIC-ACID	Leaf	910.0	11375.0	-0.16964007288800279	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Leaf	2.0	40.0	0.17043198231388648	USDA's Ag Handbook 8 and sequelae)
0	PENTYL-HYDRO-DISULFIDE	Essential Oil		25000.0		--
0	PENTYL-HYDRO-DISULFIDE	Leaf Essent. Oil		25000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PEONIDIN-3,5-DIGLUCOSIDE	Stem				--
7	PHENYLALANINE	Leaf	900.0	11250.0	0.25135671281922906	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Leaf	410.0	6670.0	0.31251024346984213	--
14	POTASSIUM	Leaf	2500.0	34500.0	0.18351627186036354	--
0	PROLINE	Leaf	1850.0	23125.0	1.7207379254141373	USDA's Ag Handbook 8 and sequelae)
0	PROPYL-ALLYL-ALLITHIAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	PROTEIN	Leaf	18000.0	402000.0	1.8969793650012636	--
4	PUFA	Leaf	2670.0	28555.0	1.2327222613135935	USDA's Ag Handbook 8 and sequelae)
176	QUERCETIN	Leaf		9.0	-0.3518851560841334	--
0	QUERCETIN-3-BETA-D-GLUCOSIDE	Leaf				Wealth of India.
1	QUINIC-ACID	Leaf				--
15	RIBOFLAVIN	Leaf	1.0	22.0	-0.07473683964760136	--
0	S-(PROPENYL-1-YL)-CYSTEINE-SULFOXIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
7	SALICYLATES	Leaf	0.3	5.0	-0.5661358211839412	--
0	SAPONIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SCORDININE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	SERINE	Leaf	1260.0	15830.0	1.1511287525511196	USDA's Ag Handbook 8 and sequelae)
0	SFA	Leaf	1460.0	15615.0	0.06125212076712582	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Leaf	20.0	750.0	-0.5140797417548463	--
8	STEARIC-ACID	Leaf	80.0	1000.0	0.0297331201637005	USDA's Ag Handbook 8 and sequelae)
7	SUCCINIC-ACID	Leaf				--
31	THIAMIN	Leaf	0.5	12.0	0.7701228842235702	--
4	THREONINE	Leaf	1110.0	13875.0	1.3697801459590087	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-PENTYL-HYDRO-DISULFIDE	Essential Oil				--
0	TRANS-PROPENYL-PROPYL-DISULFIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	TRANS-PROPYL-2-PROPENYLDISULFIDE	Plant				Wealth of India.
3	TRIACONTANAL	Plant				--
3	TRIACONTANAL	Leaf				--
29	TRYPTOPHAN	Leaf	310.0	3955.0	0.9703207657896883	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Leaf	810.0	10160.0	0.5975629898027675	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Leaf	1240.0	15500.0	0.7869798228124456	USDA's Ag Handbook 8 and sequelae)
0	VIT-B-6	Leaf	1.0	22.0	0.6256837726342495	USDA's Ag Handbook 8 and sequelae)
0	WATER	Leaf	906500.0	920000.0	0.5605735854599573	--