

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Allium ampeloprasum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	1-O-CAFFEYOYL-BETA-D-GLUCOSE	Plant				--
0	3,4-DIMETHYL-2,5-DIOXO-2,5-DIHYDROTHIOPHENE	Plant				--
0	3,5-DIALKYLTRITHIOLANES	Plant				--
0	4-HYDROXY-PROLINE	Plant				--
0	ACETYL-SYNTHEASE	Plant				--
0	ADENYLIC-ACID	Plant				--
3	ALANINE	Plant				--
0	ALCOHOL-DEHYDROGENASE	Plant				--
21	ALLIIN	Plant				--
0	ALLITHIAMINE	Plant				--
0	ALLYL	Plant				--
0	ALLYL-MONOSULFIDE	Plant				--
7	ALLYL-SULFIDE	Plant				--
32	ALPHA-TOCOPHEROL	Plant				--
0	ALUMINUM-PHOSPHATE	Plant				--
0	ARGINASE	Plant				--
14	ARGININE	Plant				--
112	ASCORBIC-ACID	Root	170.0	1241.0	0.06343722613033131	--
112	ASCORBIC-ACID	Leaf	170.0	3019.0	-0.163795366917682	--
112	ASCORBIC-ACID	Flower	400.0	2367.0	-0.10607508542239547	--
0	ASCORBIC-ACID-OXIDASE	Plant				--
0	ASH	Flower	4000.0	24000.0	-1.0154834195722509	--
0	ASH	Root	9000.0	66000.0	-0.04451203912952142	--
0	ASH	Leaf	8000.0	75000.0	-0.7726129834664683	--
2	ASPARAGINE	Plant				--
3	ASPARTIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
53	BETA-CAROTENE	Root	0.2	1.8	-0.4249125898665059	--
53	BETA-CAROTENE	Leaf	0.2	230.0	-0.13630145086250064	--
53	BETA-CAROTENE	Flower	25.0	151.0	1.7145235700805992	--
47	BETA-SITOSTEROL	Plant				--
0	BUTYL-SULFIDE	Plant				--
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Flower	230.0	1361.0	-1.2199068284592132	--
28	CALCIUM	Root	520.0	3796.0	-0.39501015744951196	--
28	CALCIUM	Leaf	520.0	5472.0	-0.8858802655048249	--
0	CARBOHYDRATES	Root	103000.0	752000.0	-1.0015720237536276	--
0	CARBOHYDRATES	Leaf	70000.0	767000.0	1.2338508826111518	--
0	CARBOHYDRATES	Flower	105000.0	621000.0	-0.22084210604370214	--
1	CATALASE	Plant				--
1	CELLULOSE	Plant				--
77	CHLOROGENIC-ACID	Plant				--
3	CYCLOALLIIN	Plant				--
0	CYTIDYLIC-ACID	Plant				--
0	DEHYDROASCORBIC-ACID	Plant				--
1	DEOXYRIBONUCLEIC-ACID	Plant				--
0	DI-PROPYL-THIOSULFINATES	Plant				--
25	DIALLYL-SULFIDE	Plant				--
0	DIKETOGLUCONIC-ACID	Plant				--
2	DIMETHYL-DISULFIDE	Plant				--
30	ESCULETIN	Plant				--
0	ESTERASE	Plant				--
0	ETHYL-SULFIDE	Plant				--
0	ETHYLENE-BIS-DITHIO-CARBAMATE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Root	3000.0	22000.0	-0.029340747310399002	--
0	FAT	Leaf	3000.0	47000.0	-0.18854946591393063	--
0	FAT	Flower	5000.0	30000.0	-0.43704508730510255	--
0	FERRIC-PHOSPHATE	Plant				--
61	FERULIC-ACID	Plant				--
15	FIBER	Leaf	10000.0	94000.0	-0.83514673367971	--
15	FIBER	Flower	11000.0	65000.0	-0.8143354323077572	--
15	FOLACIN	Plant				--
8	FRUCTOSE	Plant				--
0	FRUCTOSYLSUCROSE	Plant				--
1	GALACTOSE	Plant				--
0	GLUCOFRUCTAN	Plant				--
7	GLUCOSE	Plant				--
0	GLUTAMATE-DEHYDROGENASE	Plant				--
8	GLUTAMIC-ACID	Plant				--
5	GLUTAMINE	Plant				--
0	GUANYLIC-ACID	Plant				--
0	HEMICELLULOSE	Plant				--
7	HISTIDINE	Plant				--
0	HISTONES	Plant				--
6	IRON	Root	11.0	80.0	-0.32542996609415403	--
6	IRON	Leaf	11.0	255.0	-0.2742200720912281	--
6	IRON	Flower	9.0	53.0	-0.7544988871341379	--
4	ISOCHLOROGENIC-ACID	Plant				--
3	ISOLEUCINE	Plant				--
0	KAEMPFEROL-3-BETA-D-GLUCOSIDE	Plant				--
0	KAEMPFEROL-3-XYLOSYL-BETA-D-GLUCOSIDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	KAEMPFEROL-HETEROSIDE	Plant				--
0	KILOCALORIES	Root	450.0	3280.0	-0.19051447594442283	--
0	KILOCALORIES	Leaf	350.0	3560.0	0.8735241118325915	--
0	KILOCALORIES	Flower	550.0	3250.0	0.13134065579667528	--
0	LACTATE-DEHYDROGENASE	Plant				--
2	LEUCINE	Plant				--
13	LIGNIN	Plant				--
1	LIGNOCERIC-ACID	Plant				--
27	LINOLEIC-ACID	Plant				--
0	LINOLENIC-ACID	Plant				--
4	LYSINE	Plant				--
2	MALTOSE	Plant				--
18	MANNITOL	Plant				--
15	METHIONINE	Plant				--
0	METHYL-ALLIIN	Plant				--
0	METHYL-SULFIDE	Plant				--
0	MYO-INOSITOL	Plant				--
39	NIACIN	Leaf	5.0	57.0	-0.49263472226862703	--
39	NIACIN	Flower	9.0	53.0	-0.40857249469813267	--
11	NICOTINIC-ACID	Plant				--
2	ODORIN	Plant				--
0	OXALATE-DEHYDROGENASE	Plant				--
9	OXALIC-ACID	Plant				--
25	P-COUMARIC-ACID	Plant				--
13	PALMITIC-ACID	Plant				--
0	PECTINS	Plant				--
0	PEROXIDASE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PHENANTHRENE	Plant				--
0	PHENOL-OXIDASE	Plant				--
7	PHENYLALANINE	Plant				--
4	PHOSPHORUS	Root	500.0	3650.0	0.02323881179787081	--
4	PHOSPHORUS	Leaf	480.0	4528.0	-0.08158986125272383	--
4	PHOSPHORUS	Flower	380.0	2249.0	-0.614081916695989	--
30	POLYPHENOLS	Plant				--
14	POTASSIUM	Leaf	3160.0	29811.0	-0.02353948514617351	--
0	PROLINE	Plant				--
0	PROPANE-THIOSULFINATE	Plant				--
0	PROPYL-DISULFIDE	Plant				--
0	PROPYLOALLIIN	Plant				--
0	PROTEIN	Root	22000.0	161000.0	0.4782291802925665	--
0	PROTEIN	Leaf	22000.0	217000.0	0.051425613253002045	--
0	PROTEIN	Flower	55000.0	325000.0	2.113316703865716	--
2	QUERCETIN-3'-GLUCOSIDE	Plant				--
1	RAFFINOSE	Plant				--
15	RIBOFLAVIN	Leaf	0.6	9.4	-0.13379915842441997	--
15	RIBOFLAVIN	Flower	1.9	11.2	1.171289093809103	--
3	RIBONUCLEIC-ACID	Plant				--
0	S-2,2-PROPENYL-AMINO-ACID-SULFOXIDE	Plant				--
5	SAPONINS	Plant				--
44	SCOPOLETIN	Plant				--
1	SERINE	Plant				--
0	SIDERAMINES	Plant				--
0	SILICON-DIOXIDE	Plant				--
9	SINAPIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	SODIUM	Leaf	50.0	472.0	-0.563454454383069	--
1	STACHYOSE	Plant				--
8	STEARIC-ACID	Plant				--
0	SUCCINIC-DEHYDROGENASE	Plant				--
14	SUCROSE	Plant				--
14	SULFUR	Leaf	600.0	700.0	-0.9714371042032756	--
0	SULFUR-TRIOXIDE	Plant				--
31	THIAMIN	Root	1.1	8.0	0.11791616274938575	--
31	THIAMIN	Leaf	0.9	8.5	0.040709776991307144	--
31	THIAMIN	Flower	1.4	8.3	0.8756075364489447	--
0	THIAMIN-PYROPHOSPHATE	Plant				--
4	THREONINE	Plant				--
29	TRYPTOPHAN	Plant				--
8	TYROSINE	Plant				--
22	UMBELLIFERONE	Plant				--
0	URIDYLIC-ACID	Plant				--
3	VALINE	Plant				--
0	VIT-U	Plant				--
0	WATER	Leaf	854000.0	894000.0	0.4308600549636226	--
0	WATER	Flower		831000.0	0.12305748225364066	--
0	WATER	Root		863000.0	0.6136511331039769	--
77	ZINC	Plant				--