

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Lepidium sativum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	4-HYDROXY-3,5-DIMETHOXYCINNAMIC-ACID	Seed				--
0	ALKALOID	Seed	1900.0	2015.0		--
32	ALPHA-TOCOPHEROL	Oil		1830.0	2.0035213900204276	--
32	ALPHA-TOCOPHEROL	Leaf	7.0	66.0	-0.9080803501097781	--
0	ARACHIDIC-ACID	Seed	2450.0	3925.0	-0.27156253057642016	--
112	ASCORBIC-ACID	Leaf	690.0	6510.0	0.16012494862868643	--
0	ASH	Seed	57000.0	60440.0	0.3777716144387012	--
0	ASH	Leaf	18000.0	169800.0	0.897646634308261	--
1	BEHENIC-ACID	Seed	2750.0	4410.0	-0.26522344507241363	--
0	BENZYL-CYANIDE	Plant				--
20	BENZYL-ISOTHIOCYANATE	Plant				--
5	BENZYL-THIOCYANATE	Essential Oil				--
53	BETA-CAROTENE	Leaf	20.0	526.0	1.1527627160656782	--
47	BETA-SITOSTEROL	Seed				--
28	CALCIUM	Leaf	810.0	20340.0	0.130015166113504	--
28	CALCIUM	Seed	3100.0	3290.0	-0.1572880835353832	--
0	CARBOHYDRATES	Leaf	55000.0	518870.0	-0.7394315005117013	--
1	CELLULOSE	Seed		9150.0	-1.0859323179992477	--
2	COBALT	Leaf		0.012	-0.2988141345084901	--
0	D-GALACTURONIC-ACID	Seed				--
0	D-GLUCURONIC-GALACTOSIDE	Seed				--
0	D-XYLOSE	Seed				--
25	DIALLYL-SULFIDE	Essential Oil				--
0	EO	Plant		1150.0	-0.6527306283672362	--
2	ERUCIC-ACID	Leaf	910.0	8585.0	0.3997423155436001	--
0	FAT	Leaf	7000.0	66040.0	0.19085657387853744	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Seed	150000.0	255000.0	-0.05471515869868224	--
15	FIBER	Leaf	11000.0	103775.0	-0.7142676493973603	--
0	GADOLEIC-ACID	Leaf	610.0	5755.0	1.1833643199314339	--
0	GLUCOTROPAEOLIN	Plant				--
12	IODINE	Leaf		0.11	-1.0096875885880112	--
6	IRON	Leaf	13.0	286.0	-0.19564320884585473	--
0	KILOCALORIES	Leaf	320.0	3020.0	0.0030913391217523567	--
0	L-ARABINOSE	Seed				--
0	L-RHAMNOSE	Seed				--
1	LIGNOCERIC-ACID	Seed	320.0	510.0	-0.5583807882888466	--
27	LINOLEIC-ACID	Leaf	1520.0	14340.0	1.04104744440421524	--
0	LINOLENIC-ACID	Seed	44550.0	71400.0	0.6666049168891296	--
0	LINOLENIC-ACID	Leaf	760.0	7170.0	-0.3571080740801977	--
3	MUCILAGE	Seed		50000.0	-0.9282499219906043	--
13	MUFA	Leaf	2390.0	22545.0	1.462627658573604	--
0	MYROSIN	Plant				--
39	NIACIN	Leaf	10.0	95.0	-0.030418329796116125	--
3	NICKEL	Leaf		0.04	-0.4422807587307894	--
18	OLEIC-ACID	Seed	97450.0	156200.0	0.3049555009223302	--
18	OLEIC-ACID	Leaf	870.0	8210.0	0.500732695138712	--
13	PALMITIC-ACID	Leaf	160.0	1510.0	-0.3616671545916463	--
13	PALMITIC-ACID	Seed	2020.0	3240.0	-0.6327493366692233	--
4	PHOSPHORUS	Seed	16500.0	17500.0	3.2098608816684266	--
4	PHOSPHORUS	Leaf	760.0	7170.0	0.4045037319671731	--
14	POTASSIUM	Leaf	6060.0	57170.0	1.184572789526858	--
0	PROTEIN	Seed	235000.0	249180.0	0.13684804637379244	--
0	PROTEIN	Leaf	26000.0	327685.0	1.1556154349408743	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
4	PUFA	Leaf	2280.0	21500.0	0.26713948072467186	--
15	RIBOFLAVIN	Leaf	1.7	25.0	-0.060674382795977866	--
0	SFA	Leaf	230.0	2170.0	-0.5595267223432824	--
9	SINAPIC-ACID	Seed				--
0	SINAPIN	Seed				--
1	SODIUM	Leaf	140.0	1320.0	-0.4128438201789938	--
8	STEARIC-ACID	Seed	9560.0	15325.0	-0.2328895793915901	--
8	STEARIC-ACID	Leaf	70.0	660.0	-0.19180777517367403	--
14	SULFUR	Seed	9000.0	9545.0	3.9651698056626064	--
31	THIAMIN	Leaf	0.8	7.5	-0.1676939679321966	--
0	URIC-ACID	Seed		108.0	1.0	--
0	VIT-B-6	Leaf	2.5	23.0	0.7204843442454993	--
0	WATER	Seed		56900.0	-0.6550743472779081	--
0	WATER	Leaf	823000.0	894000.0	0.4308600549636226	--