

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Sinapis alba*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	4-HYDROXYBENZOYLCHOLINE	Sprout Seedling				--
3	ALANINE	Seed	11870.0	12700.0	0.5407560304550756	--
15	ALPHA-LINOLENIC-ACID	Seed	26148.0	29373.0	0.24836025344571108	--
0	ARABINOSE	Seed				--
0	ARACHIDIC-ACID	Seed				--
14	ARGININE	Seed	17500.0	18725.0	-0.25047945701168856	--
2	ARSENIC	Seed		0.05	-0.2752447659692153	--
112	ASCORBIC-ACID	Plant				--
0	ASH	Seed	44145.0	49280.0	0.04210526403747837	--
3	ASPARTIC-ACID	Seed	19670.0	21050.0	-0.13662327941246005	--
1	BEHENIC-ACID	Seed				--
53	BETA-CAROTENE	Seed				--
47	BETA-SITOSTEROL	Seed				--
28	CALCIUM	Seed	4983.0	5850.0	0.3128762632732573	--
0	CARBOHYDRATES	Seed	208000.0	373858.0	-0.59431920755846	--
1	CELLULOSE	Seed				--
1	CHOLESTEROL	Seed				--
20	CHOLINE	Seed				--
24	CHROMIUM	Seed		18.6	2.027317456625089	--
2	COBALT	Seed		1.1	-0.1582354115847752	--
12	COPPER	Seed	6.0	8.0	-0.6181060132518703	--
2	CYSTINE	Seed	5820.0	6227.0	2.140641775781844	--
1	DELTA-5-AVENASTEROL	Seed				--
0	EICOSENIC-ACID	Seed				--
0	EO	Seed	1000.0	2000.0	-0.5252163822922106	--
2	ERUCIC-ACID	Seed	104194.0	117064.0	0.4197770983809773	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Seed	283271.0	312364.0	0.2474415483577414	--
15	FIBER	Seed	63160.0	103000.0	-0.25093101156184927	--
8	FRUCTOSE	Seed				--
0	GADOLEIC-ACID	Seed	26117.0	29407.0	3.693310156067193	--
0	GALACTURONIC-ACID	Seed				--
1	GLUCOBRASSICIN	Sprout Seedling				--
7	GLUCOSE	Seed				--
4	GLUCURONIC-ACID	Seed				--
8	GLUTAMIC-ACID	Seed	49790.0	53275.0	0.48780201750436314	--
12	GLYCINE	Seed	13120.0	14038.0	0.4461545968420105	--
7	HISTIDINE	Seed	7620.0	8153.0	0.5393831138440155	--
6	IRON	Seed	90.0	370.0	1.018502398957978	--
3	ISOLEUCINE	Seed	10810.0	11576.0	0.1383768573285378	--
2	LEUCINE	Seed	17830.0	19078.0	0.19110738231732044	--
27	LINOLEIC-ACID	Seed	25062.0	28610.0	-0.6727002952826835	--
4	LYSINE	Seed	15190.0	16252.0	0.5625986729376861	--
65	MAGNESIUM	Seed	2863.0	3282.0	0.13271034827872796	--
14	MANGANESE	Seed	21.0	41.0	-0.15597513725089274	--
15	METHIONINE	Seed	4800.0	5136.0	0.2120499711695304	--
3	MUCILAGE	Seed				--
0	MYROSIN	Seed				--
1	NEOGLUCOBRASSICIN	Seed				--
39	NIACIN	Seed	79.0	84.0	1.2307095961213725	--
3	NICKEL	Seed		3.6	-0.22040689220295698	--
18	OLEIC-ACID	Seed	56920.0	65356.0	-0.44183551784972963	--
9	OXALIC-ACID	Seed				--
0	P-HYDROXYBENZYLAMINE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	P-HYDROXYBENZYLISOTHIOCYANATE	Seed				--
13	PALMITIC-ACID	Seed	7420.0	8539.0	-0.5234137728999603	--
2	PALMITOLEIC-ACID	Seed	570.0	674.0	-0.28228853207047244	--
7	PHENYLALANINE	Seed	10670.0	11416.0	-0.01485916897185985	--
4	PHOSPHORUS	Seed	8100.0	9330.0	1.0508647100453512	--
14	POTASSIUM	Seed	6393.0	9130.0	-0.3025304790079955	--
0	PROLINE	Seed	19440.0	20800.0	1.8593175405862599	--
0	PROTEIN	Seed	245095.0	276000.0	0.3754258358628318	--
15	RIBOFLAVIN	Seed		4.0	0.18234587940570884	--
1	SERINE	Seed	10810.0	11567.0	0.19025000667879424	--
0	SINALBIN	Seed		25000.0		--
0	SINALBINE	Seed				--
9	SINAPIC-ACID	Seed				--
0	SINAPINE	Seed		14800.0		--
1	SODIUM	Seed	43.0	61.0	-0.6188839030487809	--
8	STEARIC-ACID	Seed	2340.0	2846.0	-0.5036415044358994	--
14	SUCROSE	Seed				--
0	TETRACOSANOIC-ACID	Seed Oil				--
31	THIAMIN	Seed	5.0	6.0	-0.13936749561071934	--
4	THREONINE	Seed	10950.0	11720.0	0.8013964340486475	--
29	TRYPTOPHAN	Seed	5260.0	5628.0	0.7853691066103551	--
8	TYROSINE	Seed	7440.0	7961.0	0.050919800171084426	--
3	VALINE	Seed	13250.0	14178.0	0.26682136353969915	--
0	WATER	Seed	66450.0	75700.0	-0.5829309051838417	--
77	ZINC	Seed	27.0	61.0	0.4504942114401762	--