

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Cannabis sativa

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-D-BORNESITOL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
3	(-)-BORNEOL	Plant				--
0	1-METHYL-4-ISOPROPENYL-BENZENE	Plant				--
0	2-C-METHYL-ALDOTETRONIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	2-C-METHYL-ALDOTETRONOLACTONE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	3',4'-DIHYDROXY-5,5'-DIMETHOXY-3-(3-METHYL-BUT-2-ENYL)-BIBENZYL	Shoot				--
0	3,3'-DIHYDROXY-4,5'-DIMETHOXY-BIBENZYL	Leaf		5.0		--
0	3,3'-DIHYDROXY-4,5'-DIMETHOXY-BIBENZYL	Shoot				--
0	3,4',5'-TRIHYDROXY-BIBENZYL	Resin, Exudate, Sap		597.0		--
0	3,4'-DIHYDROXY-5-METHOXY-BIBENZYL	Leaf		2.0		--
0	3,4'-DIHYDROXY-5-METHOXY-BIBENZYL	Shoot				--
0	4-HYDROXY-BENZOIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	4-HYDROXYBENZOIC-ACID-METHYL-ESTER	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	ACETALDEHYDE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
3	ACETONE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
3	ALANINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	ALLO-AROMADENDRENE	Leaf Essent. Oil				--
0	ALLO-AROMADENDRENE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	ALLO-AROMADENDRENE	Essential Oil				--
0	ALLO-AROMADENDRENE	Resin, Exudate, Sap				--
0	ALPHA-BERGAMOTENE	Leaf Essent. Oil				--
20	ALPHA-BISABOLOL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
20	ALPHA-BISABOLOL	Essential Oil				--
20	ALPHA-BISABOLOL	Flower Essent. Oil				--
0	APIGENIN-7-O-P-COUMAROYL-GLUCOSIDE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	APIGENIN-GLYCOSIDE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	APIGENOL-O-GLUCOSIDE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	ARABINIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	ARABINOSE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
1	ARABITOL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	ARACHIDIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	ARACHIDIC-ACID	Seed				--
14	ARGININE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
112	ASCORBIC-ACID	Seed		0.0	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ASH	Seed	46000.0	71000.0	0.6953913868613637	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	ASPARTIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
8	AZELAIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
1	BEHENIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
9	BENZYL-ACETATE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
9	BENZYL-ACETATE	Essential Oil				--
6	BETA-BISABOLENE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
6	BETA-BISABOLENE	Leaf Essent. Oil				--
6	BETA-BISABOLENE	Flower Essent. Oil				--
53	BETA-CAROTENE	Seed	0.0	0.06	-0.4255580240943812	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BISABOLENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	BORNEOL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
35	BORNEOL	Essential Oil				--
35	BORNEOL	Resin, Exudate, Sap				--
0	BORNEOL-ACETATE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	BORNEOL-ACETATE	Essential Oil				--
2	CADAVERINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CALAMENENE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CALAMENENE	Leaf Essent. Oil				--
28	CALCIUM	Seed	1200.0	1389.0	-0.5064218426303934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CALCIUM-OXIDE	Seed	10875.0	16785.0	1.3857758982797648	--
0	CAMPEST-4-EN-3-ONE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CAMPEST-4-EN-3-ONE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CAMPEST-5-EN-3-BETA-OL-7-ONE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CAMPEST-5-EN-3-BETA-OL-7-ONE	Root				--
0	CAMPESTANOL	Seed				--
2	CAMPESTEROL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
2	CAMPESTEROL	Seed				--
2	CAMPESTEROL	Root				--
9	CAMPHENE	Plant				--
9	CAMPHENE	Essential Oil				--
9	CAMPHENE	Leaf Essent. Oil				--
9	CAMPHENE	Flower Essent. Oil				--
9	CAMPHENE	Resin, Exudate, Sap				--
0	CAMPHENE-HYDRATE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CAMPHENE-HYDRATE	Essential Oil				--
41	CAMPHOR	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
41	CAMPHOR	Essential Oil				--
41	CAMPHOR	Leaf Essent. Oil				--
0	CANABISPIRAN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABAMINE-A	Leaf				--
0	CANNABAMINE-B	Leaf				--
0	CANNABAMINE-C	Leaf				--
0	CANNABAMINE-D	Leaf				--
0	CANNABICCLOVARIN	Plant				--
0	CANNABICHRUMANONE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABICHRUMANONE	Resin, Exudate, Sap		59.0		--
1	CANNABICHRUMENE	Resin Essent. Oil				--
1	CANNABICHRUMENE	Shoot				--
1	CANNABICHRUMENE	Resin, Exudate, Sap				--
1	CANNABICHRUMENE	Bud				--
1	CANNABICHRUMENE	Inflorescence				--
1	CANNABICHRUMENE	Root				--
1	CANNABICHRUMENE	Sprout Seedling				--
1	CANNABICHRUMENE	Plant				--
1	CANNABICHRUMENE	Seed				--
1	CANNABICHRUMENE	Leaf				--
0	CANNABICHRUMENIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABICHRUMENIC-ACID	Resin, Exudate, Sap				--
0	CANNABICHRUMENIC-ACID	Inflorescence				--
0	CANNABICHRUMENIC-ACID	Leaf		510.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABICHROMEVARIN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABICHROMEVARINIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABICITRAN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABICOUMARONIC-ACID	Resin, Exudate, Sap		84.0		--
0	CANNABICOUMARONONE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABICYCLOL	Shoot				--
0	CANNABICYCLOL	Plant				--
0	CANNABICYCLOL	Root				--
0	CANNABICYCLOL	Inflorescence				--
0	CANNABICYCLOL	Leaf				--
0	CANNABICYCLOL	Resin, Exudate, Sap				--
0	CANNABICYCLOLIC-ACID	Plant				--
0	CANNABICYCLOLIC-ACID	Inflorescence				--
0	CANNABIDIHYDROPHENANTHRENE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABIDIHYDROPHENANTHRENE	Leaf		20.0		--
8	CANNABIDIOL	Shoot				--
8	CANNABIDIOL	Root				--
8	CANNABIDIOL	Leaf Essent. Oil				--
8	CANNABIDIOL	Bud				--
8	CANNABIDIOL	Inflorescence				--
8	CANNABIDIOL	Sprout Seedling				--
8	CANNABIDIOL	Resin, Exudate, Sap				--
8	CANNABIDIOL	Plant				--
8	CANNABIDIOL	Fruit		20870.0		--
8	CANNABIDIOL	Seed				--
8	CANNABIDIOL	Leaf				--
0	CANNABIDIOL-MONOMETHYL-ETHER	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
3	CANNABIDIOLIC-ACID	Root				--
3	CANNABIDIOLIC-ACID	Resin, Exudate, Sap				--
3	CANNABIDIOLIC-ACID	Bark				--
3	CANNABIDIOLIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
3	CANNABIDIOLIC-ACID	Shoot				--
3	CANNABIDIOLIC-ACID	Inflorescence				--
3	CANNABIDIOLIC-ACID	Pollen Or Spore				--
3	CANNABIDIOLIC-ACID	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABIDIOLIC-ACID-TETRAHYDRO-CANNABITRIOL-ESTER	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIDIORCOL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIDIVARIN	Shoot				--
0	CANNABIDIVARIN	Inflorescence				--
0	CANNABIDIVARIN	Plant				--
0	CANNABIDIVARINIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIDIVARINIC-ACID	Shoot				--
0	CANNABIDIVAROL	Inflorescence				--
0	CANNABIDIVAROL	Plant				--
0	CANNABIDIVAROLIC-ACID	Plant				--
0	CANNABIELSOIC-ACID-A	Resin, Exudate, Sap				--
0	CANNABIELSOIC-ACID-A	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIELSOIC-ACID-B	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIELSOIC-ACID-B	Resin, Exudate, Sap				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABIELSOIN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIFURAN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIFURAN	Resin, Exudate, Sap				--
3	CANNABIGEROL	Inflorescence				--
3	CANNABIGEROL	Plant				--
3	CANNABIGEROL	Root				--
3	CANNABIGEROL	Shoot				--
3	CANNABIGEROL	Sprout Seedling				--
3	CANNABIGEROL	Resin, Exudate, Sap				--
3	CANNABIGEROL	Leaf				--
0	CANNABIGEROL-MONOMETHYL-ETHER	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
2	CANNABIGEROLIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
2	CANNABIGEROLIC-ACID	Inflorescence				--
2	CANNABIGEROLIC-ACID	Leaf		40.0		--
0	CANNABIGEROLIC-ACID-MONOMETHYL-ETHER	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABIGEROLIC-ACID-MONOMETHYL-ETHER	Leaf		20.0		--
0	CANNABIGEROVARIN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABIGEROVARINIC-ACID	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABINEROLIC-ACID	Leaf		8.0		--
0	CANNABINODIOL	Resin, Exudate, Sap				--
0	CANNABINODIOL	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABINODIVARIN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
3	CANNABINOL	Leaf				--
3	CANNABINOL	Inflorescence				--
3	CANNABINOL	Fruit		1275.0		--
3	CANNABINOL	Seed		8.0		--
3	CANNABINOL	Plant				--
3	CANNABINOL	Sprout Seedling				--
3	CANNABINOL	Bark				--
3	CANNABINOL	Bud				--
3	CANNABINOL	Shoot				--
3	CANNABINOL	Flower Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CANNABINOL	Resin, Exudate, Sap				--
3	CANNABINOL	Root				--
3	CANNABINOL	Leaf Essent. Oil				--
0	CANNABINOL-METHYL-ETHER	Resin, Exudate, Sap				--
0	CANNABINOL-MONOMETHYL-ETHER	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	CANNABISATIVINE	Plant				--
0	CANNFLAVINS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	CANNIBIDIOL	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CANNIBIDIOLIC-ACID	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CHLORIDE	Seed	35.0	55.0	-0.75187574414983	--
1	CIS-ANETHOLE	Essential Oil				--
1	CIS-ANETHOLE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	DEHYDROCANNABIELSOIN-I	Resin, Exudate, Sap				--
0	DEHYDROCANNABIFURAN	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DEHYDROCANNABIFURAN	Resin, Exudate, Sap				--
0	DELTA-1-TETRAHYDROCANNABINOL	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	DELTA-8-TETRAHYDROCANNABINOL	Plant				--
0	DELTA-8-TETRAHYDROCANNABINOL	Inflorescence				--
0	DELTA-8-TETRAHYDROCANNABINOL	Root				--
0	DELTA-8-TETRAHYDROCANNABINOL	Resin, Exudate, Sap				--
2	DELTA-9-TETRAHYDROCANNABINOL	Inflorescence				--
2	DELTA-9-TETRAHYDROCANNABINOL	Trichome				--
2	DELTA-9-TETRAHYDROCANNABINOL	Pollen Or Spore				--
2	DELTA-9-TETRAHYDROCANNABINOL	Shoot				--
2	DELTA-9-TETRAHYDROCANNABINOL	Plant				--
9	DELTA-CADINENE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
9	DELTA-CADINENE	Essential Oil				--
0	DIHYDROACTINIDIOLIDE	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIHYDROACTINIDIOLIDE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	EDESTIN	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	EO	Bud	1300.0	8000.0	-1.157380807116231	--
0	FAT	Seed	296000.0	358000.0	0.48782268431804693	--
15	FIBER	Seed	165000.0	206450.0	0.565927856848296	--
0	GAMMA-CADINENE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	GAMMA-CADINENE	Essential Oil				--
1	GLUCOSAMINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	GLYCOCOLL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	HISTIDINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	IRON	Seed	120.0	139.0	-0.05479437162869729	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	IRON-OXIDE	Seed	460.0	710.0	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOBUTYL-AMINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
1	ISOBUTYRALDEHYDE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	ISOLINOLENIC-ACID	Seed	22000.0	26850.0		--
0	ISOVITEXIN-O-GLUCOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	KILOCALORIES	Seed	4210.0	4870.0	0.008776742466230916	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
27	LINOLEIC-ACID	Seed	207000.0	250600.0	1.229332063524583	--
0	LINOLENIC-ACID	Seed	22000.0	26850.0	-0.11112768826023926	--
0	MAGNESIUM-OXIDE	Seed	2620.0	4050.0	-1.0	--
0	MUSCARINE	Seed				--
0	N-BUTYL-AMINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
39	NIACIN	Seed	21.0	24.0	-0.5653371145111872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed	44400.0	53700.0	-0.5376546816338774	--
4	ORIENTIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	OXYPROLINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	P-ETHYL-BENZYL-ACETATE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	P-ETHYL-BENZYL-ACETATE	Essential Oil				--
0	P-ETHYLBENZALDEHYDE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	P-ETHYLBENZALDEHYDE	Essential Oil				--
7	PHENYLALANINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	PHOSPHOROUS-OXIDE	Seed	16770.0	25885.0		--
4	PHOSPHORUS	Seed	9700.0	11227.0	1.5521640659289466	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	POTASSIUM-OXIDE	Seed	9290.0	14440.0	1.0	--
0	PROPYL-CANNABICHROMENE	Resin, Exudate, Sap				--
0	PROPYL-CANNABIDIOL	Resin, Exudate, Sap				--
0	PROTEIN	Seed	200000.0	314000.0	0.713455515228361	--
15	RIBOFLAVIN	Seed	1.7	2.0	-0.5841625019907875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SEC-BUTYLAMINE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
0	SILICON-DIOXIDE	Seed	5475.0	8450.0	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SODIUM-OXIDE	Seed	360.0	550.0	-1.0	--
0	SULFUR-OXIDE	Seed	85.0	135.0	-1.0	--
16	TETRAHYDROCANNABINO L	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
31	THIAMIN	Seed	3.2	3.7	-0.6881088248838246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	TRANS-ANETHOLE	Plant				Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 43: 169-234.
8	TRANS-ANETHOLE	Essential Oil				--
15	TRIGONELLINE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
29	TRYPTOPHAN	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	WATER	Seed	87500.0	136000.0	-0.3515346520842564	--