

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	FAT	Seed	296000.0	358000.0	0.48782268431804693	--
0	PROTEIN	Seed	200000.0	314000.0	0.713455515228361	--
27	LINOLEIC-ACID	Seed	207000.0	250600.0	1.229332063524583	--
15	FIBER	Seed	165000.0	206450.0	0.565927856848296	--
0	WATER	Seed	87500.0	136000.0	-0.3515346520842564	--
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.
18	OLEIC-ACID	Seed	44400.0	53700.0	-0.5376546816338774	--
0	LINOLENIC-ACID	Seed	22000.0	26850.0	-0.11112768826023926	--
0	ISOLINOLENIC-ACID	Seed	22000.0	26850.0		--
0	PHOSPHOROUS-OXIDE	Seed	16770.0	25885.0		--
8	CANNABIDIOL	Fruit		20870.0		--
0	CALCIUM-OXIDE	Seed	10875.0	16785.0	1.3857758982797648	--
0	POTASSIUM-OXIDE	Seed	9290.0	14440.0	1.0	--
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	SILICON-DIOXIDE	Seed	5475.0	8450.0	-1.0	--
0	EO	Bud	1300.0	8000.0	-1.157380807116231	--
0	KILOCALORIES	Seed	4210.0	4870.0	0.008776742466230916	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	MAGNESIUM-OXIDE	Seed	2620.0	4050.0	-1.0	--
28	CALCIUM	Seed	1200.0	1389.0	-0.5064218426303934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	CANNABINOL	Fruit		1275.0		--
0	IRON-OXIDE	Seed	460.0	710.0	1.0	--
0	3,4'-5-TRIHYDROXY-BIBENZYL	Resin, Exudate, Sap		597.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SODIUM-OXIDE	Seed	360.0	550.0	-1.0	--
0	CANNABICHROMENIC-ACID	Leaf		510.0		--
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	SULFUR-OXIDE	Seed	85.0	135.0	-1.0	--
0	CANNABICOUMARONIC-ACID	Resin, Exudate, Sap		84.0		--
0	CANNABICHROMANONE	Resin, Exudate, Sap		59.0		--
0	CHLORIDE	Seed	35.0	55.0	-0.75187574414983	--
2	CANNABIGEROLIC-ACID	Leaf		40.0		--
39	NIACIN	Seed	21.0	24.0	-0.5653371145111872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CANNABIDIHYDROPHENANTHRENE	Leaf		20.0		--
0	CANNABIGEROLIC-ACID-MONOMETHYL-ETHER	Leaf		20.0		--
0	CANNABINEROLIC-ACID	Leaf		8.0		--
3	CANNABINOL	Seed		8.0		--
0	3,3'-DIHYDROXY-4,5'-DIMETHOXY-BIBENZYL	Leaf		5.0		--
31	THIAMIN	Seed	3.2	3.7	-0.6881088248838246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Seed	1.7	2.0	-0.5841625019907875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	3,4'-DIHYDROXY-5-METHOXY-BIBENZYL	Leaf		2.0		--
53	BETA-CAROTENE	Seed	0.0	0.06	-0.4255580240943812	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Seed		0.0	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	CANNABICHROMENE	Plant				--
0	ALLO-AROMADENDRENE	Leaf Essent. Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROPYL-CANNABIDIOL	Resin, Exudate, Sap				--
0	CAMPHENE-HYDRATE	Essential Oil				--
0	CANNABICYCLOL	Resin, Exudate, Sap				--
3	CANNABINOL	Leaf				--
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	CANNABINODIOL	Resin, Exudate, Sap				--
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.
0	CANNABAMINE-C	Leaf				--
3	CANNABIGEROL	Plant				--
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	PROPYL-CANNABICHROMENE	Resin, Exudate, Sap				--
1	CANNABICHROMENE	Leaf				--
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	CANNABIISOIC-ACID-A	Resin, Exudate, Sap				--

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.
8	CANNABIDIOL	Shoot				--
0	DELTA-8-TETRAHYDROCANNABINOL	Plant				--
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.
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.
9	CAMPHENE	Plant				--
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.
3	CANNABINOL	Inflorescence				--
0	CAMPEST-4-EN-3-ONE	Root				--
6	BETA-BISABOLENE	Leaf Essent. Oil				--
0	CANNABAMINE-B	Leaf				--
3	CANNABIGEROL	Root				--
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.
8	CANNABIDIOL	Root				--
1	CANNABICHROMENE	Resin Essent. Oil				--
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.
0	3,3'-DIHYDROXY-4,5'-DIMETHOXY-BIBENZYL	Shoot				--
0	CANNABIDIVAROLIC-ACID	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.
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.
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.
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.
3	CANNABIDIOLIC-ACID	Root				--
9	CAMPHENE	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
1	CANNABICHROMENE	Resin, Exudate, Sap				--
29	TRYPTOPHAN	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	BETA-BISABOLENE	Flower Essent. Oil				--
0	CANNABAMINE-A	Leaf				--
3	CANNABIGEROL	Shoot				--
4	ORIENTIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	P-ETHYL-BENZYL-ACETATE	Essential Oil				--
8	CANNABIDIOL	Leaf Essent. 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.
1	CANNABICHROMENE	Shoot				--
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	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	3',4'-DIHYDROXY-5,5'-DIMETHOXY-3-(3-METHYL-BUT-2-ENYL)-BIBENZYL	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABIDIVAROL	Inflorescence				--
7	HISTIDINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	DELTA-CADINENE	Essential Oil				--
0	DEHYDROCANNABIFURAN	Resin, Exudate, Sap				--
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.
3	CANNABIDIOLIC-ACID	Resin, Exudate, Sap				--
9	CAMPHENE	Leaf Essent. Oil				--
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	CALAMENENE	Leaf Essent. Oil				--
1	CANNABICHROMENE	Bud				--
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.
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	CANNABIGEROL	Sprout Seedling				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
8	CANNABIDIOL	Bud				--
2	DELTA-9-TETRAHYDROCANNABINOL	Inflorescence				--
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.
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.
0	ALPHA-BERGAMOTENE	Leaf Essent. Oil				--
0	CANNABIDIVAROL	Plant				--
0	GLYCOCOLL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	CIS-ANETHOLE	Essential Oil				--
0	CANNABICYCLOLIC-ACID	Plant				--
0	DEHYDROCANNABIELSOIN-1	Resin, Exudate, Sap				--
3	CANNABIDIOLIC-ACID	Bark				--
9	CAMPHENE	Flower Essent. Oil				--
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.
3	CANNABINOL	Plant				--

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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.
1	CANNABICHROMENE	Inflorescence				--
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.
9	BENZYL-ACETATE	Essential Oil				--
3	(-)-BORNEOL	Plant				--
3	CANNABIGEROL	Resin, Exudate, Sap				--
0	P-ETHYLBENZALDEHYDE	Essential Oil				--
8	CANNABIDIOL	Inflorescence				--
2	DELTA-9-TETRAHYDROCANNABINOL	Trichome				--
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.
16	TETRAHYDROCANNABINOL	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	4-HYDROXYBENZOIC-ACID-METHYL-ESTER	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	CANNABICYCLOLIC-ACID	Inflorescence				--
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.
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.
0	APIGENOL-O-GLUCOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
9	CAMPHENE	Resin, Exudate, Sap				--
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.
3	CANNABINOL	Sprout Seedling				--
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.
1	CANNABICHROMENE	Root				--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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.
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	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.
8	CANNABIDIOL	Sprout Seedling				--
2	DELTA-9-TETRAHYDROCANNABINOL	Pollen Or Spore				--
0	MUSCARINE	Seed				--
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	CANNABIDIVARINIC-ACID	Shoot				--
0	CANABISPIRAN	Leaf				--
0	CANNABICYCLOL	Shoot				--
0	CANNABINOL-METHYL-ETHER	Resin, Exudate, Sap				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	CANNABICHROMENIC-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	CANNABINOL	Bark				--
0	BORNEOL-ACETATE	Essential Oil				--
1	CANNABICHROMENE	Sprout Seedling				--
2	CANNABIGEROLIC-ACID	Inflorescence				--
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.
3	CANNABIDIOLIC-ACID	Shoot				--
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.
20	ALPHA-BISABOLOL	Essential Oil				--
0	CANNABIFURAN	Resin, Exudate, Sap				--
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.
8	CANNABIDIOL	Resin, Exudate, Sap				--
2	DELTA-9-TETRAHYDROCANNABINOL	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	1-METHYL-4-ISOPROPENYL-BENZENE	Plant				--
0	CANNABIDIVARIN	Shoot				--
0	EDESTIN	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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.
0	CANNABICYCLOL	Plant				--
3	CANNABINOL	Bud				--
2	CAMPESTEROL	Seed				--
0	CANNABICHROMENIC-ACID	Resin, Exudate, Sap				--
3	CANNABINOL	Shoot				--
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.
0	CANNABICHROMANONE	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CANNABIDIOLIC-ACID	Inflorescence				--
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.
20	ALPHA-BISABOLOL	Flower Essent. Oil				--
0	CANNABIENSOIN	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	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.
8	CANNABIDIOL	Plant				--
2	DELTA-9-TETRAHYDROCANNABINOL	Plant				--
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	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	CANNABIDIVARIN	Inflorescence				--
41	CAMPHOR	Essential Oil				--
0	CANNABICYCLOL	Root				--
3	CANNABINOL	Flower Essent. Oil				--
2	CAMPESTEROL	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABICHRONENIC-ACID	Inflorescence				--
3	CANNABINOL	Resin, Exudate, Sap				--
35	BORNEOL	Essential Oil				--
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.
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	CANNABIDIOLIC-ACID	Pollen Or Spore				--
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.
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	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	DELTA-8-TETRAHYDROCANNABINOL	Inflorescence				--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALLO-AROMADENDRENE	Essential Oil				--
0	CANNABIDIVARIN	Plant				--
0	CANNFLAVINS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
41	CAMPHOR	Leaf Essent. Oil				--
0	CANNABICYCLOL	Inflorescence				--
3	CANNABINOL	Root				--
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	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.
35	BORNEOL	Resin, Exudate, Sap				--
0	CANNABICCLOVARIN	Plant				--
3	CANNABIGEROL	Leaf				--
8	TRANS-ANETHOLE	Essential Oil				--
3	CANNABIDIOLIC-ACID	Leaf				--
0	CAMPESTANOL	Seed				--
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	3,4'-DIHYDROXY-5- METHOXY-BIBENZYL	Shoot				--
0	CANNABIELSOIC-ACID-B	Resin, Exudate, Sap				--
0	ISOVITEXIN-O-GLUCOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GAMMA-CADINENE	Essential Oil				--
8	CANNABIDIOL	Seed				--
0	DELTA-8-TETRAHYDROCANNABINOL	Root				--
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	ALLO-AROMADENDRENE	Resin, Exudate, Sap				--
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	CANNABISATIVINE	Plant				--
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	CANNABICYCLOL	Leaf				--
3	CANNABINOL	Leaf Essent. Oil				--
0	CAMPEST-5-EN-3-BETA-OL-7-ONE	Root				--
1	CANNABICHROMENE	Seed				--
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	BISABOLENE	Plant				--
0	CANNABAMINE-D	Leaf				--
3	CANNABIGEROL	Inflorescence				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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, 432: 169-234.
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.
0	ARACHIDIC-ACID	Seed				--
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	DIHYDROACTINIDIOLIDE	Essential Oil				--
8	CANNABIDIOL	Leaf				--
0	DELTA-8-TETRAHYDROCANNABINOL	Resin, Exudate, Sap				--