

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Cannabis sativa

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Seed		0.0	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Seed	0.0	0.06	-0.4255580240943812	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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				--
39	NIACIN	Seed	21.0	24.0	-0.5653371145111872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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				--
31	THIAMIN	Seed	3.2	3.7	-0.6881088248838246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
29	TRYPTOPHAN	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
28	CALCIUM	Seed	1200.0	1389.0	-0.5064218426303934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
27	LINOLEIC-ACID	Seed	207000.0	250600.0	1.229332063524583	--
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				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	ALPHA-BISABOLOL	Flower Essent. Oil				--
18	OLEIC-ACID	Seed	44400.0	53700.0	-0.5376546816338774	--
16	TETRAHYDROCANNABINOL	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
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.
15	FIBER	Seed	165000.0	206450.0	0.565927856848296	--
15	RIBOFLAVIN	Seed	1.7	2.0	-0.5841625019907875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
9	DELTA-CADINENE	Essential Oil				--
9	CAMPHENE	Leaf Essent. Oil				--
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	CAMPHENE	Flower Essent. Oil				--
9	BENZYL-ACETATE	Essential Oil				--
9	CAMPHENE	Resin, Exudate, Sap				--
9	CAMPHENE	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Essential Oil				--
8	CANNABIDIOL	Bud				--
8	CANNABIDIOL	Inflorescence				--
8	CANNABIDIOL	Sprout Seedling				--
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.
8	CANNABIDIOL	Resin, Exudate, Sap				--
8	CANNABIDIOL	Plant				--
8	CANNABIDIOL	Fruit		20870.0		--
8	TRANS-ANETHOLE	Essential Oil				--
8	CANNABIDIOL	Seed				--
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.
8	CANNABIDIOL	Leaf				--
8	CANNABIDIOL	Shoot				--
8	CANNABIDIOL	Root				--
8	CANNABIDIOL	Leaf Essent. Oil				--
7	HISTIDINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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
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.
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	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.
6	BETA-BISABOLENE	Flower Essent. Oil				--
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.
4	ORIENTIN	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	CANNABINOL	Seed		8.0		--
3	CANNABIDIOLIC-ACID	Resin, Exudate, Sap				--
3	CANNABIGEROL	Sprout Seedling				--
3	CANNABINOL	Plant				--
3	CANNABIDIOLIC-ACID	Bark				--
3	(-)-BORNEOL	Plant				--
3	CANNABIGEROL	Resin, Exudate, Sap				--
3	CANNABINOL	Sprout Seedling				--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CANNABINOL	Bark				--
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				--
3	CANNABINOL	Bud				--
3	CANNABINOL	Shoot				--
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	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.
3	CANNABINOL	Flower Essent. Oil				--
3	CANNABINOL	Resin, Exudate, Sap				--
3	CANNABIDIOLIC-ACID	Pollen Or Spore				--
3	CANNABINOL	Root				--
3	CANNABIGEROL	Leaf				--
3	CANNABIDIOLIC-ACID	Leaf				--
3	CANNABINOL	Leaf Essent. Oil				--
3	CANNABIGEROL	Inflorescence				--
3	CANNABINOL	Leaf				--
3	CANNABIGEROL	Plant				--
3	CANNABINOL	Inflorescence				--
3	CANNABIGEROL	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CANNABIDIOLIC-ACID	Root				--
3	CANNABINOL	Fruit		1275.0		--
3	CANNABIGEROL	Shoot				--
2	DELTA-9-TETRAHYDROCANNABINOL	Inflorescence				--
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.
2	DELTA-9-TETRAHYDROCANNABINOL	Trichome				--
2	DELTA-9-TETRAHYDROCANNABINOL	Pollen Or Spore				--
2	CANNABIGEROLIC-ACID	Inflorescence				--
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	DELTA-9-TETRAHYDROCANNABINOL	Shoot				--
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	Leaf		40.0		--
2	CAMPESTEROL	Seed				--
2	DELTA-9-TETRAHYDROCANNABINOL	Plant				--
2	CAMPESTEROL	Root				--
1	CANNABICHROMENE	Bud				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CIS-ANETHOLE	Essential Oil				--
1	CANNABICHROMENE	Inflorescence				--
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.
1	CANNABICHROMENE	Root				--
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.
1	CANNABICHROMENE	Sprout Seedling				--
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.
1	CANNABICHROMENE	Seed				--
1	CANNABICHROMENE	Plant				--
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.
1	CANNABICHROMENE	Resin Essent. Oil				--
1	CANNABICHROMENE	Resin, Exudate, Sap				--
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				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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-METHYLBUT-2-ENYL)-BIBENZYL	Shoot				--
0	CANNABIDIVAROL	Inflorescence				--
0	CANNABIDIHYDROPHENANTHRENE	Leaf		20.0		--
0	DEHYDROCANNABIFURAN	Resin, Exudate, Sap				--
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.
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				--
0	2-C-METHYLALDOTETRONOLACTONE	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.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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.
0	CANNABICYCLOLIC-ACID	Plant				--
0	DEHYDROCANNABIELSOIN-I	Resin, Exudate, Sap				--
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	SULFUR-OXIDE	Seed	85.0	135.0	-1.0	--
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	P-ETHYLBENZALDEHYDE	Essential Oil				--
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.
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
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.
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	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	SODIUM-OXIDE	Seed	360.0	550.0	-1.0	--
0	APIGENOL-O-GLUCOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
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	MAGNESIUM-OXIDE	Seed	2620.0	4050.0	-1.0	--
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.
0	CANNABIGEROLIC-ACID-MONOMETHYL-ETHER	Leaf		20.0		--
0	MUSCARINE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	FAT	Seed	296000.0	358000.0	0.48782268431804693	--
0	CANABISPIRAN	Leaf				--
0	CANNABICYCLOL	Shoot				--
0	CANNABINOL-METHYL-ETHER	Resin, Exudate, Sap				--
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.
0	BORNEOL-ACETATE	Essential Oil				--
0	SILICON-DIOXIDE	Seed	5475.0	8450.0	-1.0	--
0	CANNABIFURAN	Resin, Exudate, Sap				--
0	LINOLENIC-ACID	Seed	22000.0	26850.0	-0.11112768826023926	--
0	EO	Bud	1300.0	8000.0	-1.157380807116231	--
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.
0	CANNABICYCLOL	Plant				--
0	CANNABICHROMENIC-ACID	Resin, Exudate, Sap				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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	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.
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				--
0	CHLORIDE	Seed	35.0	55.0	-0.75187574414983	--
0	CANNABICYCLOL	Root				--
0	CANNABICHROMANONE	Resin, Exudate, Sap		59.0		--
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.
0	PROTEIN	Seed	200000.0	314000.0	0.713455515228361	--
0	CANNABICHROMENIC-ACID	Inflorescence				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3,4'-DIHYDROXY-5-METHOXY-BIBENZYL	Leaf		2.0		--
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	KILOCALORIES	Seed	4210.0	4870.0	0.008776742466230916	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
0	ALLO-AROMADENDRENE	Essential Oil				--
0	CANNABIDIVARIN	Plant				--
0	CANNFLAVINS	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	CANNABICYCLOL	Inflorescence				--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CANNABICCLOVARIN	Plant				--
0	POTASSIUM-OXIDE	Seed	9290.0	14440.0	1.0	--
0	CAMPESTANOL	Seed				--
0	CANNABICHROMENIC-ACID	Leaf		510.0		--
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.Plis Containing 2ndary Metabolite. 1991.
0	GAMMA-CADINENE	Essential Oil				--
0	DELTA-8-TETRAHYDROCANNABINOL	Root				--
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				--
0	CAMPEST-5-EN-3-BETA-OL-7-ONE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	BISABOLENE	Plant				--
0	CANNABAMINE-D	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.
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	ARACHIDIC-ACID	Seed				--
0	3,4',5-TRIHYDROXY-BIBENZYL	Resin, Exudate, Sap		597.0		--
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	ISOLINOLENIC-ACID	Seed	22000.0	26850.0		--
0	DIHYDROACTINIDIOLIDE	Essential Oil				--
0	DELTA-8-TETRAHYDROCANNABINOL	Resin, Exudate, Sap				--
0	ALLO-AROMADENDRENE	Leaf Essent. Oil				--
0	PROPYL-CANNABIDIOL	Resin, Exudate, Sap				--
0	CALCIUM-OXIDE	Seed	10875.0	16785.0	1.3857758982797648	--
0	CAMPHENE-HYDRATE	Essential Oil				--
0	CANNABICYCLOL	Resin, Exudate, Sap				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	CANNABAMINE-C	Leaf				--
0	PHOSPHOROUS-OXIDE	Seed	16770.0	25885.0		--
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				--
0	CANNABINODIOL	Resin, Exudate, Sap				--
0	3,3'-DIHYDROXY-4,5'-DIMETHOXY-BIBENZYL	Leaf		5.0		--
0	CANNABIELSOIC-ACID-A	Resin, Exudate, Sap				--
0	IRON-OXIDE	Seed	460.0	710.0	1.0	--
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	DELTA-8-TETRAHYDROCANNABINOL	Plant				--
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	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	CAMPEST-4-EN-3-ONE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Seed	87500.0	136000.0	-0.3515346520842564	--
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	CANNABAMINE-B	Leaf				--
0	OXYPROLINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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	CANNABINEROLIC-ACID	Leaf		8.0		--
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				--
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	CANNABICOUMARONIC-ACID	Resin, Exudate, Sap		84.0		--

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.
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	CANNABAMINE-A	Leaf				--
0	P-ETHYL-BENZYL-ACETATE	Essential Oil				--
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.