

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in Cannabis sativa**

| <b>Activity</b>              | <b>Chemical Count</b> |
|------------------------------|-----------------------|
| (-)-Chronotropic             | 1                     |
| (-)-Inotropic                | 1                     |
| 5-Alpha-Reductase-Inhibitor  | 2                     |
| Abortifacient                | 1                     |
| Acaricide                    | 1                     |
| Acidulant                    | 1                     |
| Addictive                    | 1                     |
| Aldose-Reductase-Inhibitor   | 2                     |
| Allelochemic                 | 1                     |
| Allelopathic                 | 2                     |
| Allergenic                   | 4                     |
| Alpha-Reductase-Inhibitor    | 1                     |
| Analgesic                    | 9                     |
| Androgenic?                  | 1                     |
| Anemiagenic                  | 1                     |
| Anesthetic                   | 3                     |
| Angiotensin-Receptor-Blocker | 2                     |
| Anorexic                     | 1                     |
| Antiacetylcholine            | 1                     |
| Antiacetylcholinesterase     | 1                     |
| Antiacne                     | 5                     |
| Antiacrodynic                | 1                     |
| AntiADD                      | 1                     |
| AntiAGE                      | 1                     |
| Antiaggregant                | 1                     |
| Antiaging                    | 2                     |
| Antiakathisic                | 1                     |

| Activity             | Chemical Count |
|----------------------|----------------|
| Antialcoholic        | 1              |
| Antiallergic         | 3              |
| Antialopepic         | 2              |
| Antialzheimeran      | 3              |
| Antiamblyopic        | 1              |
| Antianaphylactic     | 1              |
| Antiandrogenic       | 2              |
| Antianemic           | 1              |
| Antianginal          | 1              |
| Antiangiogenic       | 1              |
| Antianorectic        | 1              |
| Antianxiety          | 2              |
| Antiarabiflavinotic  | 1              |
| Antiarrhythmic       | 1              |
| Antiarteriosclerotic | 2              |
| Antiartihritic       | 6              |
| Antiasthmatic        | 3              |
| Antiatherosclerotic  | 2              |
| Antibackache         | 1              |
| Antibacterial        | 5              |
| Antiberiberi         | 1              |
| Antibiotic           | 3              |
| Antibronchitic       | 1              |
| Antiburn             | 1              |
| Anticancer           | 1              |
| Anticancer (Cervix)  | 1              |
| Anticancer (Liver)   | 1              |

| Activity              | Chemical Count |
|-----------------------|----------------|
| Anticancer            | 2              |
| Anticarcinomic        | 1              |
| Anticardiospasmic     | 1              |
| Anticariogenic        | 1              |
| Anticarpal-Tunnel     | 1              |
| Anticataract          | 4              |
| Anticephalagic        | 1              |
| Anticervicaldysplasic | 3              |
| AntiCFS               | 1              |
| Anticheilitic         | 2              |
| Antichilblain         | 1              |
| Anticlimacteric       | 2              |
| Anticold              | 1              |
| Anticolitic           | 1              |
| Anticonvulsant        | 3              |
| Anticoronary          | 2              |
| AntiCrohn's           | 1              |
| AntiCTS               | 1              |
| Antidecubitic         | 3              |
| Antideliriant         | 1              |
| Antidementia          | 4              |
| Antidepressant        | 4              |
| Antidermatitic        | 1              |
| Antidiabetic          | 3              |
| Antidiabetic?         | 1              |
| Antidiarrheic         | 1              |
| Antidote (Aluminum)   | 2              |

| Activity            | Chemical Count |
|---------------------|----------------|
| Antidote (Cadmium)  | 1              |
| Antidote (Lead)     | 2              |
| Antidote (Paraquat) | 1              |
| Antidysenteric      | 1              |
| Antidyskinetic      | 1              |
| Antidyspeptic       | 1              |
| Antidysphagic       | 1              |
| Antieczemic         | 2              |
| Antiedemic          | 1              |
| Antiemetic          | 2              |
| Antiencephalitic    | 1              |
| Antiencephalopathic | 2              |
| Antiendometriotic   | 1              |
| Antiepileptic       | 2              |
| Antiescherichic     | 1              |
| Antifatigue         | 2              |
| Antifeedant         | 2              |
| Antifibrinolytic    | 1              |
| Antifibrositic      | 1              |
| Antifibrotic        | 1              |
| Antigallstone       | 1              |
| Antigastritic       | 2              |
| Antigenotoxic       | 1              |
| Antigingivitic      | 1              |
| Antiglaucomic       | 2              |
| Antiglossitic       | 1              |
| Antigranular        | 1              |

| Activity              | Chemical Count |
|-----------------------|----------------|
| Antihangover          | 3              |
| Antiheartburn         | 1              |
| Antihemorrhagic       | 1              |
| Antihepatitic         | 2              |
| Antihepatometabolic   | 1              |
| Antihepatotoxic       | 1              |
| Antiherpetic          | 3              |
| Antihistaminic        | 4              |
| Antihyperactivity     | 1              |
| Antihyperglycemic     | 1              |
| Antihyperkeratotic    | 1              |
| Antihyperkinetic      | 1              |
| Antihyperpigmentative | 1              |
| Antihypertensive      | 5              |
| Antiichthyotic        | 1              |
| Antiimpotence         | 1              |
| Antiinfertility       | 2              |
| Antiinflammatory      | 9              |
| Antiinsomniac         | 2              |
| Antiinsomnic          | 1              |
| Antikeratitic         | 1              |
| Antileptic            | 1              |
| Antileukemic          | 1              |
| Antileukoplakic       | 1              |
| Antileukotriene-D4    | 2              |
| Antilipoperoxidant    | 1              |
| Antilithic            | 1              |

| Activity           | Chemical Count |
|--------------------|----------------|
| Antilithic?        | 1              |
| Antilupus          | 1              |
| AntiLyme           | 4              |
| Antimaculitic      | 2              |
| Antimanic          | 1              |
| Antimastitic       | 1              |
| Antimeasles        | 1              |
| Antimelanomic      | 1              |
| Antimelasmic       | 1              |
| AntiMeniere's      | 1              |
| Antimenopausal     | 3              |
| Antimenorrhagic    | 2              |
| Antimigraine       | 5              |
| Antimorphinic      | 1              |
| AntiMS             | 1              |
| Antimutagenic      | 2              |
| Antimyocarditic    | 1              |
| Antinephritic      | 1              |
| Antineuralgic      | 3              |
| Antineuramidase    | 1              |
| Antineurasthenic   | 1              |
| Antineuritic       | 1              |
| Antineuropathic    | 1              |
| Antinitrosic       | 1              |
| Antiobesity        | 3              |
| Antiorchitic       | 1              |
| Antiosteoarthritic | 1              |

| Activity            | Chemical Count |
|---------------------|----------------|
| Antiosteoporotic    | 3              |
| Antiotitic          | 1              |
| Antioxidant         | 10             |
| Antioxidant?        | 1              |
| Antiozenic          | 1              |
| Antipapillomic      | 1              |
| Antiparkinsonian    | 4              |
| Antiparotitic       | 1              |
| Antipellagic        | 2              |
| Antipeptic          | 1              |
| Antiperiodontitic   | 2              |
| Antiphenylketonuric | 1              |
| Antiphotophobic     | 2              |
| Antipityriasic      | 1              |
| AntiPMS             | 2              |
| Antipneumonic       | 1              |
| Antipodriac         | 1              |
| Antipoliomyelitic   | 2              |
| Antiporphyric       | 1              |
| Antiproliferant     | 1              |
| Antiproliferative   | 1              |
| Antiprostaglandin   | 1              |
| Antiprostatitic     | 1              |
| Antipruritic        | 1              |
| Antipsoriac         | 1              |
| Antipsychotic       | 1              |
| Antipyretic         | 3              |

| Activity            | Chemical Count |
|---------------------|----------------|
| Antiradicular       | 3              |
| AntiRaynaud's       | 2              |
| Antiretinotic       | 1              |
| Antirheumatic       | 4              |
| Antirhinitic        | 1              |
| Antirhinoviral      | 1              |
| Antisalmonella      | 1              |
| Antiscoliotic       | 1              |
| Antiscorbutic       | 1              |
| Antiscotomic        | 1              |
| Antiseptic          | 5              |
| Antishingles        | 1              |
| Antisickling        | 1              |
| Antispasmodic       | 5              |
| Antispastic         | 1              |
| Antistaphylococcic  | 1              |
| Antistreptococcic   | 1              |
| Antistress          | 3              |
| Antisyndrome-X      | 1              |
| Antitic             | 1              |
| Antituberculic      | 1              |
| Antitumor           | 4              |
| Antitumor (Breast)  | 1              |
| Antitumor (Cervix)  | 1              |
| Antitumor (CNS)     | 1              |
| Antitumor (Colon)   | 1              |
| Antitumor (Gastric) | 1              |



| Activity                         | Chemical Count |
|----------------------------------|----------------|
| Antitumor (Liver)                | 1              |
| Antitumor (Lung)                 | 2              |
| Antitumor (Prostate)             | 1              |
| Antitumor (Stomach)              | 1              |
| Antiulcer                        | 6              |
| Antiuremic                       | 1              |
| Antivertigo                      | 1              |
| Antiviral                        | 3              |
| Antivertigo                      | 1              |
| Antixerophthalmic                | 1              |
| Antiyeast                        | 1              |
| Anxiolytic                       | 2              |
| Aphrodisiac                      | 1              |
| Apoptotic                        | 1              |
| Asthma-preventive                | 1              |
| Beta-Adrenergic Receptor Blocker | 1              |
| Beta-Blocker                     | 1              |
| Beta-Glucuronidase-Inhibitor     | 1              |
| Bronchoconstrictor               | 1              |
| Bronchodilator                   | 1              |
| Calcium-Antagonist               | 2              |
| Calcium-Channel-Blocker          | 1              |
| cAMP-Phosphodiesterase-Inhibitor | 1              |
| Cancer-Preventive                | 10             |
| Candidicide                      | 2              |
| Carcinogenic                     | 2              |
| Cardioprotective                 | 3              |

| Activity                | Chemical Count |
|-------------------------|----------------|
| Cardiotonic             | 1              |
| Carminative             | 1              |
| Chemopreventive         | 1              |
| Choleretic              | 2              |
| Cicatrizant             | 1              |
| Circulotonic            | 1              |
| CNS-Depressant          | 1              |
| CNS-Stimulant           | 2              |
| CNS-Toxic               | 1              |
| Cold-preventive         | 1              |
| Collagenic              | 1              |
| Colorant                | 1              |
| Comedolytic             | 1              |
| Convulsant              | 1              |
| Cosmetic                | 3              |
| Counterirritant         | 1              |
| COX-1-Inhibitor         | 1              |
| COX-2-Inhibitor         | 1              |
| Cytochrome-P450-Inducer | 1              |
| Cytotoxic               | 1              |
| Decongestant            | 1              |
| Deliriant               | 1              |
| Dermatitigenic          | 1              |
| Detoxicant              | 1              |
| Diuretic                | 4              |
| Ecbolic                 | 1              |
| Emetic                  | 2              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Epidermal-Stimulant  | 1              |
| Epileptigenic        | 1              |
| Essential            | 2              |
| Expectorant          | 2              |
| Fibrinolytic         | 1              |
| Fistula-Preventive   | 1              |
| FLavor               | 5              |
| Fungicide            | 4              |
| Gastroprotective     | 1              |
| Hallucinogen         | 1              |
| Hallucinogenic       | 1              |
| Hepatoprotective     | 3              |
| Hepatotoxic          | 1              |
| Herbicide            | 2              |
| Hypnotic             | 1              |
| Hypoammonemic        | 1              |
| Hypocholesterolemic  | 8              |
| Hypocholesterolemic? | 1              |
| Hypoglycemic         | 4              |
| Hypolipidemic        | 1              |
| Hypotensive          | 5              |
| Hypouricemic         | 1              |
| Immunomodulator      | 2              |
| Immunostimulant      | 3              |
| Immunosuppressant    | 1              |
| Inhalant             | 1              |
| Insect-Repellent     | 3              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Insectifuge          | 6              |
| Insulinase-Inhibitor | 1              |
| Insulinotonic        | 1              |
| Interferon-Synergist | 1              |
| Interferonogenic     | 1              |
| Irritant             | 4              |
| Laxative             | 3              |
| Lithogenic           | 1              |
| Metastatic           | 1              |
| Monoamine-Precursor  | 2              |
| Mucogenic            | 1              |
| Mucolytic            | 1              |
| Musculotropic        | 1              |
| Mutagenic            | 1              |
| Myorelaxant          | 1              |
| Narcotic             | 1              |
| Nematicide           | 3              |
| Neuroexcitant        | 1              |
| Neuroprotective      | 1              |
| NO-Genic             | 1              |
| Occuloirritant       | 1              |
| Osmoregulator        | 1              |
| Osteogenic           | 1              |
| Oxidant              | 2              |
| P450-2B1-Inhibitor   | 1              |
| P450-Inducer         | 1              |
| Percutaneostimulant  | 1              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Perfumery            | 6              |
| Pesticide            | 14             |
| Phagocytotic         | 1              |
| Phytohormonal        | 1              |
| Pituitary-Stimulant  | 1              |
| Prolactinogenic      | 1              |
| Prooxidant           | 2              |
| Propepic             | 3              |
| Protisticide         | 1              |
| Respirainhibitor     | 1              |
| Respiraparalytic     | 1              |
| Respirastimulant     | 1              |
| Roborant             | 1              |
| Rubefacient          | 1              |
| Sedative             | 6              |
| Serotoninerpic       | 2              |
| Spasmogenic          | 1              |
| Spermigenic          | 1              |
| Stimulant            | 1              |
| Stomachic            | 1              |
| Sweetener            | 2              |
| Tachycardic          | 1              |
| Testosterone-Inducer | 1              |
| Thymoprotective      | 1              |
| Toxic                | 2              |
| Tranquilizer         | 2              |
| Transdermal          | 1              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Tremorigenic         | 1              |
| Tumor-Promoter       | 1              |
| Tumorigenic          | 1              |
| Tyrosinase-Inhibitor | 1              |
| Ubiquiot             | 1              |
| Uricosuric           | 1              |
| Urinary-Acidulant    | 1              |
| Varroacide           | 1              |
| Vasodilator          | 5              |
| Verrucolytic         | 1              |
| Vibriocide           | 1              |
| Vulnerary            | 2              |