

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in *Mentha x piperita***

| <b>Activity</b>             | <b>Chemical Count</b> |
|-----------------------------|-----------------------|
| (-)-Chronotropic            | 2                     |
| (-)-Inotropic               | 2                     |
| 5-Alpha-Reductase-Inhibitor | 5                     |
| 5-HT-Inhibitor              | 1                     |
| ABeta-Inhibitor             | 1                     |
| Abortifacient               | 3                     |
| Acaricide                   | 9                     |
| ACE-Inhibitor               | 5                     |
| AChE-Inhibitor              | 2                     |
| Acidulant                   | 2                     |
| Addictive                   | 1                     |
| Adenylate-Cyclase-Inhibitor | 1                     |
| Adjuvant                    | 1                     |
| Aldehyde-Oxidase-Inhibitor  | 1                     |
| Aldose-Reductase-Inhibitor  | 18                    |
| Allelochemic                | 9                     |
| Allelopathic                | 7                     |
| Allergenic                  | 27                    |

| <b>Activity</b>              | <b>Chemical Count</b> |
|------------------------------|-----------------------|
| Alpha-Reductase-Inhibitor    | 1                     |
| Amphiglycemic?               | 1                     |
| Analgesic                    | 15                    |
| Ancylostomicide              | 1                     |
| Androgenic?                  | 1                     |
| Anemiagenic                  | 2                     |
| Anesthetic                   | 11                    |
| Angiotensin-Receptor-Blocker | 3                     |
| Ankylostomacide              | 1                     |
| Anorexic                     | 1                     |
| Anthelmintic                 | 5                     |
| Antiacetylcholinesterase     | 19                    |
| Antiacid                     | 1                     |
| Antiacne                     | 12                    |
| Antiacrodermatitic           | 1                     |
| Antiacrodynic                | 1                     |
| AntiADD                      | 1                     |
| Antiadenomic                 | 1                     |
| Antiadenoviral               | 1                     |
| Antiaflatoxin                | 1                     |

| <b>Activity</b>  | <b>Chemical Count</b> |
|------------------|-----------------------|
| AntiAGE          | 2                     |
| Antiaggregant    | 12                    |
| Antiaging        | 4                     |
| Antiakathisic    | 1                     |
| Antialcoholic    | 4                     |
| Antialdosteronic | 1                     |
| Antialkali?      | 1                     |
| Antialkalotic    | 1                     |
| Antiallergic     | 14                    |
| Antialopepic     | 4                     |
| Antialzheimeran  | 7                     |
| Antialzheimeran? | 4                     |
| Antiamblyopic    | 1                     |
| Antianaphylactic | 3                     |
| Antiandrogenic   | 4                     |
| Antianemic       | 4                     |
| Antianginal      | 3                     |
| Antiangiogenic   | 3                     |
| Antianorectic    | 2                     |
| Antianorexic     | 1                     |

| <b>Activity</b>      | <b>Chemical Count</b> |
|----------------------|-----------------------|
| Antianxiety          | 3                     |
| Antiapoplectic       | 1                     |
| Antiarabiflavinotic  | 1                     |
| Antiarachidonate     | 1                     |
| Antiarrhythmic       | 3                     |
| Antiarteriosclerotic | 3                     |
| Antiarthritic        | 13                    |
| Antiasthmatic        | 9                     |
| Antiatherogenic      | 3                     |
| Antiatheromic        | 1                     |
| Antiatherosclerotic  | 12                    |
| Antibacillary        | 2                     |
| Antibacillus         | 1                     |
| Antibackache         | 1                     |
| Antibacterial        | 47                    |
| Antiberiberi         | 1                     |
| AntiBPH              | 1                     |
| Antibronchitic       | 4                     |
| Antibrucellosic      | 1                     |
| Anticancer           | 10                    |

| Activity                 | Chemical Count |
|--------------------------|----------------|
| Anticancer (Colon)       | 1              |
| Anticancer (Forestomach) | 1              |
| Anticancer (Kidney)      | 1              |
| Anticancer (Liver)       | 2              |
| Anticancer (Lung)        | 1              |
| Anticancer (Pancreas)    | 1              |
| Anticancer (Prostate)    | 1              |
| Anticancer (Skin)        | 2              |
| Anticanker               | 3              |
| Anticapillary-Fragility  | 1              |
| Anticarcinogenic         | 3              |
| Anticarcinomic           | 3              |
| Anticardiospasmic        | 1              |
| Anticariogenic           | 9              |
| Anticarpal-Tunnel        | 1              |
| Anticataract             | 11             |
| Anticatarrh              | 2              |
| Anticephalagic           | 3              |
| Anticervicaldysplasic    | 3              |
| AntiCFS                  | 3              |

| <b>Activity</b>     | <b>Chemical Count</b> |
|---------------------|-----------------------|
| Anticheilitic       | 2                     |
| Antichilblain       | 1                     |
| Anticholinesterase  | 4                     |
| Anticholinesterase? | 1                     |
| Antichoreic         | 1                     |
| Anticirrhotic       | 2                     |
| Anticlastogen       | 2                     |
| Anticlaudificant?   | 1                     |
| Anticlimacteric     | 4                     |
| Anticoagulant       | 1                     |
| Anticoeliac         | 1                     |
| Anticold            | 2                     |
| Anticolic           | 1                     |
| Anticolitic         | 2                     |
| Anticomplementary   | 2                     |
| Anticonvulsant      | 7                     |
| Anticorneotic       | 1                     |
| Anticoronary        | 5                     |
| AntiCrohn's         | 2                     |
| AntiCRP             | 1                     |

| <b>Activity</b>          | <b>Chemical Count</b> |
|--------------------------|-----------------------|
| AntiCTS                  | 1                     |
| AntiCVI                  | 1                     |
| Anticystinuric           | 1                     |
| Antidandruff             | 3                     |
| Antidecubitic            | 3                     |
| Antideliriant            | 1                     |
| Antidementia             | 8                     |
| Antidepressant           | 9                     |
| Antidepressant?          | 1                     |
| Antidermatic             | 1                     |
| Antidermatitic           | 4                     |
| Antidiabetic             | 13                    |
| Antidiabetic?            | 1                     |
| Antidiarrheic            | 2                     |
| Antidiscotic             | 1                     |
| Antidiuretic             | 2                     |
| Antidote (Acetaminophen) | 1                     |
| Antidote (Aluminum)      | 2                     |
| Antidote (Cadmium)       | 2                     |
| Antidote (Hypoglycin-A)  | 1                     |

| Activity               | Chemical Count |
|------------------------|----------------|
| Antidote (Lead)        | 3              |
| Antidote (Mercury)     | 1              |
| Antidote (Paracetamol) | 1              |
| Antidote (Paraquat)    | 1              |
| Antidrepanocytic       | 1              |
| Antidysenteric         | 1              |
| Antidysgeuzic          | 1              |
| Antidyskinetic         | 3              |
| Antidysmenorrhic       | 1              |
| Antidyspeptic          | 1              |
| Antidysphagic          | 1              |
| AntiEBV                | 2              |
| Antieczemic            | 6              |
| Antiedemic             | 8              |
| Antielastase           | 1              |
| Antiencephalitic       | 1              |
| Antiencephalopathic    | 7              |
| Antiencephalopathic?   | 1              |
| Antiendometriotic      | 2              |
| Antienteritic          | 1              |



| <b>Activity</b>  | <b>Chemical Count</b> |
|------------------|-----------------------|
| Antienterotic    | 1                     |
| Antiepileptic    | 5                     |
| Antierythemic    | 1                     |
| Antiescherichic  | 4                     |
| Antiesherichic   | 1                     |
| Antiesophagitic  | 2                     |
| Antiestrogenic   | 2                     |
| Antifatigue      | 9                     |
| Antifeedant      | 12                    |
| Antifertility    | 1                     |
| Antifibrinolytic | 2                     |
| Antifibromyalgic | 1                     |
| Antifibrotic     | 3                     |
| Antiflu          | 4                     |
| Antifuruncular   | 1                     |
| Antigallstone    | 2                     |
| Antigastritic    | 5                     |
| Antigastrotic    | 1                     |
| Antigenotoxic    | 3                     |
| Antigingivitic   | 1                     |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antiglaucomic      | 3                     |
| Antiglossitic      | 1                     |
| Antiglutamaergic   | 1                     |
| Antiglycosuric     | 1                     |
| Antigonadotrophic  | 1                     |
| Antigonadotropic   | 3                     |
| Antigout           | 1                     |
| Antigranular       | 1                     |
| Antihalitotic      | 4                     |
| Antihangover       | 4                     |
| Antiheartburn      | 1                     |
| Antihelicobacter   | 2                     |
| Antihematuric      | 1                     |
| Antihemolytic      | 3                     |
| Antihemorrhagic    | 1                     |
| Antihemorrhoidal   | 1                     |
| Antihepatitic      | 2                     |
| Antihepatoadenomic | 1                     |
| Antihepatotic      | 2                     |
| Antihepatotoxic    | 7                     |

| <b>Activity</b>          | <b>Chemical Count</b> |
|--------------------------|-----------------------|
| Antiherpetic             | 10                    |
| Antiherpetic?            | 1                     |
| Antihistaminic           | 12                    |
| AntiHIV                  | 7                     |
| Antihomocysteine         | 1                     |
| Antihomocystinuric       | 2                     |
| Antihyperactivity        | 1                     |
| Antihyperammonemic       | 1                     |
| Antihypercholesterolemic | 3                     |
| Antihyperkeratotic       | 1                     |
| Antihyperkinetic         | 2                     |
| Antihypertensive         | 9                     |
| Antihyperthyroid         | 3                     |
| Antihypoglycemic         | 1                     |
| Antiichthyotic           | 1                     |
| Antiilus?                | 1                     |
| Antiimpotence            | 2                     |
| Antiinfarctal            | 1                     |
| Antiinfective            | 1                     |
| Antiinfertility          | 4                     |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antiinflammatory   | 30                    |
| Antiinsomniac      | 4                     |
| Antiinsomniac?     | 1                     |
| Antiinsomnic       | 1                     |
| Antiintegrase      | 1                     |
| Antiischemic       | 1                     |
| Antikeratitic      | 1                     |
| Antikeratotic      | 1                     |
| Antikeshan         | 1                     |
| Antilactobacillic  | 1                     |
| Antilaryngitic     | 2                     |
| AntiLegionella     | 2                     |
| Antileptic         | 3                     |
| Antileukemic       | 5                     |
| Antileukonychic    | 1                     |
| Antileukoplakic    | 1                     |
| Antileukotriene    | 4                     |
| Antileukotriene-D4 | 3                     |
| Antilipolytic      | 2                     |
| Antilipoperoxidant | 2                     |

| <b>Activity</b> | <b>Chemical Count</b> |
|-----------------|-----------------------|
| Antilisteria    | 3                     |
| Antilithic      | 5                     |
| Antilithic?     | 1                     |
| Antilupus       | 1                     |
| AntiLyme        | 5                     |
| Antilymphedemic | 1                     |
| Antilymphomic   | 4                     |
| Antimaculitic   | 5                     |
| Antimalarial    | 4                     |
| Antimange       | 1                     |
| Antimanic       | 2                     |
| Antimastalgic   | 1                     |
| Antimastitic    | 1                     |
| Antimeasles     | 1                     |
| Antimelanogenic | 2                     |
| Antimelanomic   | 8                     |
| AntiMeniere's   | 1                     |
| Antimenopausal  | 5                     |
| Antimenorrhagic | 2                     |
| Antimetastatic  | 5                     |

| Activity                  | Chemical Count |
|---------------------------|----------------|
| Antimetastatic (Stomach)  | 1              |
| Antimigraine              | 5              |
| Antimite                  | 1              |
| Antimitotic               | 2              |
| Antimitral-valve-prolapse | 1              |
| Antimononucleotic         | 1              |
| Antimorphinic             | 1              |
| AntiMS                    | 3              |
| Antimutagenic             | 18             |
| Antimyalgic               | 1              |
| Antimycoplasmotic         | 1              |
| Antimyotrophic            | 1              |
| Antimyocarditic           | 1              |
| Antineoplastic            | 1              |
| Antinephritic             | 4              |
| Antinephrolytic           | 1              |
| Antineuralgic             | 3              |
| Antineuramidase           | 1              |
| Antineurasthenic          | 1              |
| Antineuritic              | 2              |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antineuropathic    | 3                     |
| Antineurotic       | 1                     |
| AntiNF-kB          | 2                     |
| Antinitrosaminic   | 6                     |
| Antinitrosating    | 1                     |
| Antinitrosic       | 1                     |
| Antinociceptive    | 7                     |
| Antinyctalopic     | 1                     |
| Antiobesity        | 7                     |
| Antiodontalgic     | 2                     |
| Antionychyotic     | 1                     |
| Antiophidic        | 2                     |
| Antiorchitic       | 1                     |
| Antiosteoarthritic | 2                     |
| Antiosteoporotic   | 8                     |
| Antiotitic         | 2                     |
| Antiototic         | 1                     |
| Antioxidant        | 33                    |
| Antioxidant (LDL)  | 3                     |
| Antioxidant?       | 2                     |

| <b>Activity</b>     | <b>Chemical Count</b> |
|---------------------|-----------------------|
| Antiozenic          | 1                     |
| Antipapillomic      | 1                     |
| Antiparkinsonian    | 8                     |
| Antiparotitic       | 1                     |
| Antipellagic        | 3                     |
| Antiperiodontic     | 1                     |
| Antiperiodontitic   | 3                     |
| Antiperoxidant      | 5                     |
| Antipharyngitic     | 2                     |
| Antiphenylketonuric | 2                     |
| Antiphotophobic     | 2                     |
| Antipityriasic      | 1                     |
| Antiplatelet        | 7                     |
| Antiplasmodial      | 2                     |
| Antiplatelet        | 1                     |
| AntiPMS             | 4                     |
| Antipneumonic       | 2                     |
| Antipodriac         | 1                     |
| Antipolio           | 3                     |
| Antipoliomyelitic   | 2                     |



| <b>Activity</b>   | <b>Chemical Count</b> |
|-------------------|-----------------------|
| Antipolyneuritic  | 1                     |
| Antiporphyrin     | 1                     |
| Antiprolactin     | 1                     |
| Antiproliferant   | 9                     |
| Antiproliferative | 1                     |
| Antiprostaglandin | 6                     |
| Antiprostatitic   | 4                     |
| Antiprostatotic   | 1                     |
| Antiproteolytic   | 1                     |
| Antiprotozoal     | 1                     |
| Antipruritic      | 3                     |
| Antipsittacotic   | 1                     |
| Antipsoriac       | 2                     |
| Antipsychotic     | 1                     |
| Antipulmonotic    | 1                     |
| Antipurpuric      | 1                     |
| Antipyretic       | 7                     |
| Antiradicular     | 15                    |
| AntiRaynaud's     | 3                     |
| Antirenitic       | 1                     |

| <b>Activity</b>  | <b>Chemical Count</b> |
|------------------|-----------------------|
| Antiretardation  | 1                     |
| Antiretinopathic | 1                     |
| Antiretinotic    | 2                     |
| Antirheumatalgic | 1                     |
| Antirheumatic    | 11                    |
| Antirheumatitic? | 1                     |
| Antirhinitic     | 3                     |
| Antisalmonella   | 7                     |
| Antiscoliotic    | 1                     |
| Antiscorbutic    | 1                     |
| Antiscotomic     | 1                     |
| Antiseptic       | 32                    |
| Antishingles     | 1                     |
| Antishock        | 2                     |
| Antisickling     | 3                     |
| Antisilicotic    | 1                     |
| Antisinusitic    | 3                     |
| Antispare-Tire   | 1                     |
| Antispasmodic    | 28                    |
| Antispasmophilic | 1                     |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antistaphylococcic | 10                    |
| Antisteatotic      | 1                     |
| Antistomatitic     | 2                     |
| Antistreptococcic  | 5                     |
| Antistress         | 4                     |
| Antistroke         | 3                     |
| Antisunburn        | 3                     |
| Antisyndrome-X     | 6                     |
| Antitartar         | 1                     |
| Antithiamin        | 1                     |
| Antithrombogenic   | 1                     |
| Antithromboxane    | 1                     |
| Antithyreotropic   | 1                     |
| Antithyroid        | 5                     |
| Antitic            | 1                     |
| Antitinnitic       | 1                     |
| AntiTNF            | 2                     |
| Antitoxoplasmotic  | 1                     |
| Antitrichinosic    | 1                     |
| Antitriglyceride   | 2                     |

| <b>Activity</b>         | <b>Chemical Count</b> |
|-------------------------|-----------------------|
| Antitrypanosomic        | 1                     |
| Antitubercular          | 1                     |
| Antituberculic          | 1                     |
| Antitumor               | 18                    |
| Antitumor (Bladder)     | 1                     |
| Antitumor (brain)       | 2                     |
| Antitumor (Breast)      | 4                     |
| Antitumor (CNS)         | 1                     |
| Antitumor (Colon)       | 7                     |
| Antitumor (Forestomach) | 1                     |
| Antitumor (Gastric)     | 1                     |
| Antitumor (GI)          | 1                     |
| Antitumor (Kidney)      | 2                     |
| Antitumor (Liver)       | 1                     |
| Antitumor (Lung)        | 4                     |
| Antitumor (Ovary)       | 1                     |
| Antitumor (Pancreas)    | 3                     |
| Antitumor (Prostate)    | 7                     |
| Antitumor (Skin)        | 4                     |
| Antitumor (Stomach)     | 4                     |

| <b>Activity</b>     | <b>Chemical Count</b> |
|---------------------|-----------------------|
| Antitumor (Thyroid) | 1                     |
| Antitumor-Promoter  | 6                     |
| Antitussive         | 8                     |
| Antiulcer           | 19                    |
| Antiulcerogenic     | 2                     |
| Antiuremic          | 2                     |
| Antiuricosuric      | 1                     |
| Antivaccinia        | 1                     |
| Antivaginitic       | 3                     |
| Antivaricose        | 1                     |
| Antivertigo         | 1                     |
| Antiviral           | 16                    |
| Antiviral?          | 1                     |
| Antivitaligic       | 1                     |
| Antivulvitic        | 1                     |
| Antixerophthalmic   | 1                     |
| Antiyeast           | 4                     |
| Anxiolytic          | 8                     |
| AP-1-Inhibitor      | 1                     |
| Aphidifuge          | 1                     |

| <b>Activity</b>                  | <b>Chemical Count</b> |
|----------------------------------|-----------------------|
| Aphrodisiac                      | 1                     |
| Apifuge                          | 1                     |
| Apoptotic                        | 7                     |
| Aromatase-Inhibitor              | 1                     |
| Asthma-preventive                | 1                     |
| Astringent                       | 1                     |
| Ataxigenic                       | 1                     |
| Autotoxic                        | 1                     |
| Avifuge                          | 1                     |
| Bacteriostatic                   | 1                     |
| Bacteristat                      | 2                     |
| Barbituate-Synergist             | 1                     |
| Beta-Adrenergic Receptor Blocker | 1                     |
| Beta-Blocker                     | 2                     |
| Beta-Glucuronidase-Inhibitor     | 2                     |
| Bradycardic                      | 1                     |
| Bronchomucolytic                 | 1                     |
| Bronchomucotropic                | 1                     |
| Bronchoprotectant                | 1                     |
| Bronchorelaxant                  | 1                     |

| <b>Activity</b>                  | <b>Chemical Count</b> |
|----------------------------------|-----------------------|
| Bronchorrheic                    | 1                     |
| Bruchiphobe                      | 2                     |
| Calcium-Antagonist               | 9                     |
| Calcium-Channel-Blocker          | 1                     |
| cAMP-Phosphodiesterase-Inhibitor | 1                     |
| Cancer-Preventive                | 45                    |
| Candidicide                      | 15                    |
| Candidistat                      | 3                     |
| Capillariprotective              | 1                     |
| Carcinogenic                     | 7                     |
| Carcinogenic?                    | 1                     |
| Cardiodepressant                 | 3                     |
| Cardiomyopathogenic              | 1                     |
| Cardioprotective                 | 13                    |
| Cardiotonic                      | 3                     |
| Cardiotoxic                      | 1                     |
| Carminative                      | 7                     |
| Catabolic                        | 1                     |
| Cerebrotonic                     | 1                     |
| Cerebrotoxic                     | 2                     |

| <b>Activity</b>  | <b>Chemical Count</b> |
|------------------|-----------------------|
| Chelator         | 1                     |
| Chemopreventive  | 12                    |
| Cholagogue       | 2                     |
| Choleretic       | 12                    |
| Cholesterolytic  | 1                     |
| Cholinergic      | 1                     |
| Cicatrizant      | 1                     |
| Ciliotoxic       | 1                     |
| Circulotonic     | 2                     |
| Clastogenic      | 2                     |
| CNS-Active       | 2                     |
| CNS-Depressant   | 5                     |
| CNS-Stimulant    | 6                     |
| Co-carcinogenic  | 1                     |
| Cold-preventive  | 1                     |
| Coleoptophile    | 1                     |
| Collagen-Sparing | 2                     |
| Collagenic       | 2                     |
| Colorant         | 2                     |
| Comedolytic      | 1                     |



| <b>Activity</b>           | <b>Chemical Count</b> |
|---------------------------|-----------------------|
| Congestant                | 1                     |
| Contraceptive             | 1                     |
| Convulsant                | 4                     |
| Copper-Antagonist         | 1                     |
| Cosmetic                  | 2                     |
| Counterirritant           | 4                     |
| COX-1-Inhibitor           | 3                     |
| COX-2-Inhibitor           | 4                     |
| Culicide                  | 3                     |
| Cyclooxygenase-Inhibitor  | 4                     |
| Cytochrome-P450-Inducer   | 3                     |
| Cytochrome-P450-Inhibitor | 1                     |
| Cytoprotective            | 2                     |
| Cytotoxic                 | 8                     |
| Decongestant              | 2                     |
| Decongestant?             | 1                     |
| Degranulant               | 2                     |
| Deiodinase-Inhibitor      | 2                     |
| Demulcent                 | 1                     |
| Dentifrice                | 3                     |

| <b>Activity</b>      | <b>Chemical Count</b> |
|----------------------|-----------------------|
| Deodorant            | 3                     |
| Depressant           | 1                     |
| Dermal               | 1                     |
| Dermatitigenic       | 6                     |
| Detoxicant           | 2                     |
| Detoxicant (Alcohol) | 1                     |
| Diaphoretic          | 1                     |
| Diaphoretic?         | 1                     |
| Differentiator       | 1                     |
| Digestive            | 1                     |
| Diuretic             | 12                    |
| DME-Inhibitor        | 1                     |
| DNA-Active           | 1                     |
| DNA-Protective       | 1                     |
| Edemagenic           | 2                     |
| Emetic               | 4                     |
| Emmenagogue          | 3                     |
| Encephalopathic      | 2                     |
| Energizer            | 1                     |
| Enterocontractant    | 2                     |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Enterorelaxant     | 4                     |
| Enterotoxic        | 1                     |
| Ergogenic          | 1                     |
| Erythrocytogenic   | 1                     |
| Essential          | 8                     |
| Estrogenic         | 5                     |
| Estrogenic?        | 1                     |
| Ethanolytic        | 1                     |
| Expectorant        | 17                    |
| Fibrinolytic       | 1                     |
| Fistula-Preventive | 1                     |
| FLavor             | 42                    |
| Fungicide          | 30                    |
| Fungiphilic        | 1                     |
| Fungistat          | 3                     |
| GABA-nergic        | 1                     |
| Gastroirritant     | 1                     |
| Gastroprotective   | 3                     |
| Gastrosedative     | 1                     |
| Gastrostimulant    | 1                     |

| <b>Activity</b>                | <b>Chemical Count</b> |
|--------------------------------|-----------------------|
| Glucosyl-Transferase-Inhibitor | 1                     |
| Glutathionalytic               | 1                     |
| Glutathionigenic               | 2                     |
| Gram(+)-icide                  | 3                     |
| Gram(-)-icide                  | 3                     |
| GST-Inducer                    | 1                     |
| Hallucinogenic                 | 1                     |
| Hemolytic                      | 1                     |
| Hemorrhagic                    | 1                     |
| Hemostat                       | 2                     |
| Hepatocarcinogenic             | 1                     |
| Hepatomagenic                  | 1                     |
| Hepatoprotective               | 12                    |
| Hepatoregenerative             | 1                     |
| Hepatotonic                    | 2                     |
| Hepatotoxic                    | 5                     |
| Hepatotropic                   | 1                     |
| Herbicide                      | 13                    |
| Histamine-Inhibitor            | 2                     |
| Histaminic                     | 1                     |

| <b>Activity</b>         | <b>Chemical Count</b> |
|-------------------------|-----------------------|
| Hyaluronidase-Inhibitor | 1                     |
| Hypercholesterolemic    | 2                     |
| Hyperglycemic           | 1                     |
| Hypertensive            | 1                     |
| Hyperthermic            | 1                     |
| Hypnotic                | 3                     |
| Hypoammonemic           | 1                     |
| Hypoarginanemic         | 1                     |
| Hypocholesterolemic     | 17                    |
| Hypocholesterolemic?    | 1                     |
| Hypoglycemic            | 9                     |
| Hypolipidemic           | 1                     |
| Hypotensive             | 12                    |
| Hypothermic             | 2                     |
| Hypouricemic            | 1                     |
| ICAM-1-Inhibitor        | 1                     |
| IKK-Inhibitor           | 1                     |
| Ileorelaxant            | 1                     |
| Immunomodulator         | 11                    |
| Immunostimulant         | 11                    |

| <b>Activity</b>                    | <b>Chemical Count</b> |
|------------------------------------|-----------------------|
| Immunosuppressant                  | 3                     |
| Inflammatory                       | 2                     |
| iNOS-Inhibitor                     | 1                     |
| Insecticide                        | 15                    |
| Insectifuge                        | 28                    |
| Insectifuge?                       | 1                     |
| Insectiphile                       | 3                     |
| Insulinase-Inhibitor               | 1                     |
| Insulinogenic                      | 3                     |
| Insulinotonic                      | 1                     |
| Interferon-Synergist               | 1                     |
| Interferonogenic                   | 2                     |
| Interleukin-6-Inhibitor            | 2                     |
| Iodothyronine-Deiodinase-Inhibitor | 1                     |
| Irritant                           | 27                    |
| Juvabional                         | 4                     |
| Keratitigenic                      | 1                     |
| Lactagogue                         | 1                     |
| Larvicide                          | 5                     |
| Larvostat                          | 3                     |

| <b>Activity</b>             | <b>Chemical Count</b> |
|-----------------------------|-----------------------|
| Laxative                    | 4                     |
| Leptingenic                 | 1                     |
| Leucocytogenic              | 1                     |
| Leukotriene-Inhibitor       | 2                     |
| Lipolytic                   | 1                     |
| Lipotropic                  | 3                     |
| Lipoxygenase-Inhibitor      | 7                     |
| Lithogenic                  | 1                     |
| Litholytic                  | 1                     |
| Lubricant                   | 3                     |
| Lyase-Inhibitor             | 1                     |
| Lymphocytogenic             | 1                     |
| Lymphokinetic               | 1                     |
| MAO-Inhibitor               | 1                     |
| MAPK-Inhibitor              | 1                     |
| Memorigenic                 | 2                     |
| Metal-Chelator              | 2                     |
| Metalloproteinase-Inhibitor | 1                     |
| Metastatic                  | 1                     |
| MMP-9-Inhibitor             | 1                     |

| <b>Activity</b>     | <b>Chemical Count</b> |
|---------------------|-----------------------|
| Molluscicide        | 1                     |
| Monoamine-Precursor | 3                     |
| Mosquitofuge        | 2                     |
| Motor-Depressant    | 4                     |
| Mucogenic           | 3                     |
| Mucolytic           | 2                     |
| Mutagenic           | 4                     |
| Myoprotective       | 1                     |
| Myorelaxant         | 9                     |
| Narcotic            | 1                     |
| Natriuretic         | 1                     |
| Nematicide          | 21                    |
| NEP-Inhibitor       | 1                     |
| Nephroprotective    | 1                     |
| Nephrotoxic         | 1                     |
| Neurodepressant     | 1                     |
| Neuroexcitant       | 1                     |
| Neuroinhibitor      | 1                     |
| Neuropathogenic     | 1                     |
| Neuroprotective     | 2                     |



| <b>Activity</b>                   | <b>Chemical Count</b> |
|-----------------------------------|-----------------------|
| Neurotoxic                        | 5                     |
| Neurotransmitter                  | 1                     |
| NF-kB-Inhibitor                   | 3                     |
| NO-Genic                          | 3                     |
| NO-Inhibitor                      | 2                     |
| Nociceptive                       | 1                     |
| Ornithine-Decarboxylase-Inhibitor | 5                     |
| Osteogenic                        | 1                     |
| Osteolytic                        | 1                     |
| Ovicide                           | 1                     |
| Oviposition-Stimulant             | 2                     |
| Oxidant                           | 2                     |
| Ozone-Scavenger                   | 1                     |
| P450-2B1-Inhibitor                | 3                     |
| P450-Inducer                      | 4                     |
| PAF-Inhibitor                     | 1                     |
| Parasiticide                      | 2                     |
| Parasympathomimetic               | 1                     |
| Pediculicide                      | 2                     |
| Percutaneostimulant               | 2                     |

| <b>Activity</b>               | <b>Chemical Count</b> |
|-------------------------------|-----------------------|
| Perfume                       | 3                     |
| Perfumery                     | 37                    |
| Peristaltic                   | 2                     |
| Pesticide                     | 72                    |
| Peticide                      | 1                     |
| Phagocytotic                  | 2                     |
| Pheromone                     | 1                     |
| Photosensitizer               | 1                     |
| Phytoalexin                   | 1                     |
| Piscicide                     | 1                     |
| Pituitary-Stimulant           | 1                     |
| PKC-Inhibitor                 | 1                     |
| Plasmodicide                  | 1                     |
| Polyamine-Synthesis-Inhibitor | 1                     |
| Previtamin-A                  | 1                     |
| Prolactinogenic               | 1                     |
| Proliferant                   | 1                     |
| Prooxidant                    | 4                     |
| Propepic                      | 4                     |
| Prostaglandigenic             | 2                     |

| <b>Activity</b>                    | <b>Chemical Count</b> |
|------------------------------------|-----------------------|
| Prostaglandin-Inhibitor            | 1                     |
| Prostaglandin-Sparer               | 1                     |
| Prostaglandin-Synthesis-Inhibitor  | 3                     |
| Prostaglandin-Synthetase-Inhibitor | 1                     |
| Protein-Kinase-C-Inhibitor         | 2                     |
| Protisticide                       | 2                     |
| Psychoactive                       | 1                     |
| Psychotropic                       | 1                     |
| PTK-Inhibitor                      | 1                     |
| Pulifuge                           | 1                     |
| Pulmonotoxic                       | 2                     |
| Radioprotective                    | 2                     |
| Refrigerant                        | 1                     |
| Renoirritant                       | 1                     |
| Respirapalytic                     | 1                     |
| Respirodepressant                  | 1                     |
| Roborant                           | 1                     |
| Rodenticide                        | 3                     |
| Rubefacient                        | 3                     |
| Schizophrenigenic                  | 1                     |

| <b>Activity</b>                  | <b>Chemical Count</b> |
|----------------------------------|-----------------------|
| Secretagogue                     | 3                     |
| Secretolytic                     | 1                     |
| Sedative                         | 22                    |
| Serotonergic                     | 2                     |
| Soap                             | 2                     |
| Spasmogenic                      | 8                     |
| Spasmolytic                      | 1                     |
| Spermicide                       | 2                     |
| Spermigenic                      | 2                     |
| Sprout-Inhibitor                 | 1                     |
| Succinoxidase-Inhibitor          | 1                     |
| Sunscreen                        | 3                     |
| Suppository                      | 1                     |
| Surfactant                       | 2                     |
| Sweetener                        | 2                     |
| Sympathomimetic                  | 1                     |
| Taenicide                        | 1                     |
| Termiticide                      | 6                     |
| Termitifuge                      | 1                     |
| Testosterone-Hydroxylase-Inducer | 2                     |

| <b>Activity</b>            | <b>Chemical Count</b> |
|----------------------------|-----------------------|
| Testosteronigenic          | 1                     |
| Thymoprotective            | 1                     |
| TNF-alpha-Inhibitor        | 1                     |
| Topoisomerase-I-Inhibitor  | 1                     |
| Topoisomerase-II-Inhibitor | 1                     |
| Toxic                      | 1                     |
| Tracheorelaxant            | 2                     |
| Tranquilizer               | 4                     |
| Transdermal                | 9                     |
| Tremorigenic               | 1                     |
| Trichomonicide             | 14                    |
| Trichomonistat             | 1                     |
| Trypsin-Enhancer           | 1                     |
| Tumor-Promoter             | 3                     |
| Tumorigenic                | 1                     |
| Tyrosinase-Inhibitor       | 3                     |
| Ubiquiot                   | 1                     |
| Ulcerogenic                | 2                     |
| Uricosuric                 | 4                     |
| Urinary-Acidulant          | 1                     |

| <b>Activity</b>            | <b>Chemical Count</b> |
|----------------------------|-----------------------|
| Urinary-Antiseptic         | 1                     |
| Urine-Acidifier            | 1                     |
| Urine-Deodorant            | 1                     |
| Uterorelaxant              | 1                     |
| Varroacide                 | 2                     |
| Vasodilator                | 10                    |
| Vasopressor                | 1                     |
| VEGF-Inhibitor             | 2                     |
| Vermicide                  | 2                     |
| Vermifuge                  | 2                     |
| Verrucolytic               | 1                     |
| Vibriocide                 | 1                     |
| Vulnerary                  | 7                     |
| Xanthine-Oxidase-Inhibitor | 3                     |