

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Apium graveolens***

Activity	Chemical Count
11B-HSD-Inhibitor	3
5-Alpha-Reductase-Inhibitor	6
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	3
Abortifacient	1
Acaricide	13
Acarifuge	1
ACE-Inhibitor	6
Acetylcholinergic	1
AChE-Inhibitor	1
Acidifier	1
Acidulant	3
Addictive	2
Additive	2
Adjuvant	1
Adrenergic	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	2

Activity	Chemical Count
Aldose-Reductase-Inhibitor	20
Allelochemic	10
Allelopathic	6
Allergenic	27
Alpha-Amylase-Inhibitor	1
Alpha-Glucosidase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphetaminagenic	1
Amphiglycemic?	1
Analgesic	28
Ancylostomicide	1
Androgenic	2
Androgenic?	1
Anemiagenic	2
Anesthetic	11
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Ankylostomacide	1
Anorectic	1
Anorexic	3

Activity	Chemical Count
ANS-Paralytic	1
ANS-Stimulant	1
Anthelmintic	2
Antiacetylcholinesterase	9
Antiacid	1
Antiacne	12
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	2
Antiadenomic	2
Antiadenoviral	1
Antiadrenalinic	1
Antiadrenergic	1
Antiaflatoxin	7
AntiAGE	2
Antiaggregant	22
Antiaging	6
Antiakathisic	1
Antialcoholic	6
Antialdosteronic	1

Activity	Chemical Count
Antialkali?	1
Antialkalotic	1
Antiallergic	15
Antialopecic	7
Antialzheimeran	7
Antialzheimeran?	2
Antiamblyopic	1
Antianaphylactic	3
Antiandrogenic	5
Antianemic	4
Antianginal	4
Antiangiogenic	5
Antianorectic	2
Antianorexic	1
Antianoxic	1
Antianxiety	3
Antiapertif	1
Antiaphthic	1
Antiapoplectic	1
Antiappetant	1

Activity	Chemical Count
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	11
Antiarteriosclerotic	3
Antiarthritic	14
Antiasthmatic	16
Antiatherogenic	4
Antiatheromic	1
Antiatherosclerotic	12
Antibacillary	2
Antibackache	1
Antibacterial	46
Antiberiberi	1
AntiBPH	1
Antibradykinic	1
Antibronchitic	1
Antibronchoconstrictor	1
Antibrucellosic	1
Anticalculic	1
Anticancer	9

Activity	Chemical Count
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Kidney)	1
Anticancer (Liver)	2
Anticancer (Lung)	2
Anticancer (Prostate)	1
Anticancer (Skin)	2
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	4
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	5
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	3

Activity	Chemical Count
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholinergic	2
Anticholinesterase	1
Antichoreic	1
Anticirrhotic	3
Anticirrhotic?	1
Anticlastogen	3
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	1
Anticolitic	3
Anticomplementary	3
Anticonstrictive	2
Anticonvulsant	12

Activity	Chemical Count
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Anticystitic	2
Antidandruff	3
Antidecubitic	3
Antideliriant	1
Antidementia	8
Antidepressant	12
Antidepressant?	1
Antidermatic	1
Antidermatitic	9
Antidiabetic	17
Antidiabetic?	2
Antidiarrheic	1
Antidiscotic	1
Antidiuretic	2

Activity	Chemical Count
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrheic	4
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	6
Antiedemic	12
Antielastase	3
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1

Activity	Chemical Count
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterococcic	1
Antienterotic	1
Antienzymatic	1
Antiepileptic	5
Antierythemic	1
Antiescherichic	4
Antiesherichic	1
Antiesophagitic	2
Antiestrogenic	7
Antifatigue	7
Antifeedant	19
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	7

Activity	Chemical Count
Antifumitory	1
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	4
Antigastrotic	1
Antigenotoxic	3
Antigingivitic	2
Antiglaucomic	4
Antigliomic	1
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	3
Antigout	1
Antigranular	1
Antigranulocytopenic	1
Antigrey	1
AntiGTF	1

Activity	Chemical Count
Antihalitotic	1
Antihangover	5
Antiheartburn	1
Antihelicobacter	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	2
Antihepatoadenomic	1
Antihepatocarcinogenic	1
Antihepatotic	1
Antihepatotoxic	13
Antiherpetic	15
Antiherpetic?	1
Antihiccup	1
Antihistaminic	15
AntiHIV	7
Antihomocysteine	1
Antihomocystinuric	1

Activity	Chemical Count
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	11
Antihyperthyroid	2
Antihypoglycemic	1
Antihysterical	1
Antiichthyotic	1
Antiileus?	1
Antiimplantation	2
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	47
Antiinsomniac	6

Activity	Chemical Count
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	3
Antijet-lag	1
Antikeratitic	1
Antikeratotic	2
Antikeshan	1
Antiketotic	2
Antiklebsielllic	1
AntiLegionella	3
Antileishmanic	3
Antilepric	3
Antileucodermic	1
Antileukemic	13
Antileukodermic	3
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antileukotriene-D4	4
Antileukotrienogenic	1

Activity	Chemical Count
Antilipogenic	1
Antilipolytic	1
Antilipoperoxidant	2
Antilisteria	1
Antilithic	5
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphedemic	1
Antilymphocytic	1
Antilymphomic	7
Antimaculitic	5
Antimalarial	9
Antimange	1
Antimanic	2
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	3
Antimelanomic	8

Activity	Chemical Count
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	3
Antimetastatic	8
Antimetastatic (Stomach)	1
Antimigraine	5
Antimite	1
Antimitotic	10
Antimitral-valve-prolapse	1
Antimononucleotic	1
Antimorphinic	1
AntiMS	3
Antimutagenic	32
Antimyalgic	1
Antimycoplasmotic	1
Antimycotic	2
Antimyocarditic	2
Antinauseant	1
Antineoplastic	1
Antinephritic	3

Activity	Chemical Count
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuropathic	3
Antineuropathic?	1
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	8
Antinitrosating	1
Antinitrosic	1
Antinociceptive	8
Antinyctalopic	1
Antiobesity	7
Antionychyotic	2
Antiophidic	4
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	4

Activity	Chemical Count
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxidant	50
Antioxidant (LDL)	1
Antioxidant Synergist	3
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	8
Antiparotitic	1
Antipellagic	3
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	6

Activity	Chemical Count
Antiperoxynitrite	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	2
Antiplantar	1
Antiplatelet	5
Antiplasmodial	6
Antiplatelet	4
AntiPMS	5
Antipneumonic	3
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2
Antipolyneuritic	1
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	12
Antiproliferative	2

Activity	Chemical Count
Antiprostaglandin	13
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatitic	7
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	2
Antipseudomonic	1
Antipsittacotic	1
Antipsoriac	9
Antipsychotic	1
Antipurpuric	1
Antipyretic	7
Antiradicular	18
AntiRaynaud's	3
Antireproductive	1
Antiretardation	1
Antiretinopathic	2
Antiretinotic	2
AntiReye's	1

Activity	Chemical Count
Antirheumatalgic	1
Antirheumatic	9
Antirheumatitic?	1
Antirhinitic	1
Antisalmonella	7
Antiscleromyxoedemic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	32
AntiSeptic-Shock	1
Antiserotonin	2
Antishingles	1
Antishock	1
Antisickling	4
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	49
Antispasmophilic	1

Activity	Chemical Count
Antistaphylococcic	14
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	4
Antistress	7
Antistroke	3
Antisunburn	3
Antisyndrome-X	6
Antitachycardic	1
Antithiamin	2
Antithrombic	2
Antithrombogenic	1
Antithromboxane	1
Antithyroid	4
Antitic	1
Antitinnitic	1
AntiTNF	1
Antitoxoplasmotic	1
Antitrichinosic	1
Antitriglyceride	2

Activity	Chemical Count
Antitrypanosomic	2
Antitubercular	5
Antituberculic	1
Antitumor	32
Antitumor (Bladder)	2
Antitumor (brain)	2
Antitumor (Breast)	6
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	8
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (GI)	1
Antitumor (Kidney)	2
Antitumor (Liver)	2
Antitumor (Lung)	7
Antitumor (Mouth)	1
Antitumor (Ovary)	2
Antitumor (Pancreas)	2

Activity	Chemical Count
Antitumor (Prostate)	6
Antitumor (Skin)	7
Antitumor (Stomach)	4
Antitumor (Thyroid)	1
Antitumor-Promoter	13
Antitumor-Promoter?	1
Antitussive	5
Antiulcer	21
Antiulcerogenic	2
Antiurease	1
Antiuremic	1
Antiuricosuric	1
Antivaccinia	1
Antivaginitic	2
Antivaricose	2
Antivertigo	1
Antiviral	26
Antiviral?	1
Antivitaligic	5
Antixerophthalmic	1

Activity	Chemical Count
Anxiolytic	9
AP-1-Inhibitor	1
Aphidifuge	1
Aphrodisiac	1
Apifuge	1
Apoptotic	12
Aromatase-Inhibitor	3
Artemicide	6
Arteriodilator	3
Asthma-preventive	1
Astringent	1
Ataxigenic	1
Atherogenic	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteriophagicide	1
Bacteriostatic	1
Bacteristat	3
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1

Activity	Chemical Count
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	3
Bradycardiac	1
Bronchoprotectant	2
Bronchorelaxant	3
Bruchifuge	1
Bruchiphobe	3
Bufocide	2
Calcium-Antagonist	18
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	58
Candidicide	16
Candidistat	3
Capillarigenic	1
Capillariprotective	2
Carcinogenic	10
Carcinogenic?	2

Activity	Chemical Count
Cardiac	2
Cardiodepressant	3
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	2
Cardiotoxic	1
Cardiovascular	1
Carminative	4
Caspase-8-Inducer	1
Catabolic	3
Cerebrotonic	1
Cerebrotoxic	1
Chemopreventive	11
Cholagogue	7
Choleretic	15
Cholesterolytic	3
Cholinergic	2
Chronotropic	1
Cicatrizant	1
Circulatory-Stimulant	1

Activity	Chemical Count
Circulotonic	2
Clastogenic	3
CNS-Active	2
CNS-Depressant	12
CNS-Inhibitor	1
CNS-Paralytic	1
CNS-Stimulant	8
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	2
Collagen-Sparing	2
Collagenic	2
Collyrium	1
Colorant	1
Comedogenic	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	2
Copper-Antagonist	1
Copper-Chelator	2

Activity	Chemical Count
Cosmetic	2
Counterirritant	1
COX-1-Inhibitor	4
COX-2-Inhibitor	8
Culicide	3
Cyclooxygenase-Inhibitor	6
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	3
Cytoprotective	2
Cytotoxic	14
Cytotoxic (Breast)	3
Cytotoxic (Colon)	3
Cytotoxic (Lung)	2
Deiodinase-Inhibitor	4
Demulcent	3
Dentifrice	1
Deodorant	3
Depressant	1
Dermal	2

Activity	Chemical Count
Dermatitigenic	5
Detoxicant	2
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic	2
Diaphoretic?	3
Differentiator	3
Disinfectant	1
Diuretic	20
DME-Inhibitor	4
DNA-Active	1
DNA-Protective	2
Dopaminigenic	1
Dye	2
Ectoparasiticide	1
Embryotoxic	1
Emetic	7
Emmenagogue	3
Encephalopathic	1
Energizer	1

Activity	Chemical Count
Enterocontractant	1
Enterorelaxant	2
Enterotoxic	1
Epinephrininergic	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	8
Estrogenic?	1
Expectorant	8
Fatal	1
Febrifuge	1
Ferulosys-genic	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	2
FLavor	56
Fungicide	46
Fungiphilic	1
Fungistat	3

Activity	Chemical Count
GABA-nergic	1
Gastroirritant	1
Gastroprotective	2
Genotoxic	1
Glucogonogenic	1
Glucosyl-Transferase-Inhibitor	1
Glutathione-Depleting	1
Glutathionigenic	1
Gonadotrophic	1
Gram(+)-icide	1
Gram(-)-icide	1
GST-Inducer	1
Hallucinogenic	1
Hemolytic	2
Hemopoietic	1
Hemorrhagic	1
Hemostat	4
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	2

Activity	Chemical Count
Hepatoprotective	20
Hepatotonic	1
Hepatotoxic	7
Hepatotropic	3
Herbicide	13
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	2
Histaminic	2
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	2
Hydrocholerectic	1
Hypercholesterolemic	4
Hyperglycemic	3
Hypertensive	2
Hypertrichotic	1
Hyperuricemic	1
Hypnotic	4
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	22

Activity	Chemical Count
Hypocholesterolemic?	1
Hypoglycemic	17
Hypolipidemic	3
Hypotensive	25
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	3
IKK-Inhibitor	2
Ileorelaxant	2
Immunomodulator	12
Immunostimulant	11
Immunosuppressant	4
iNOS-Inhibitor	4
Inotropic	4
Insecticide	19
Insecticide-Synergist	1
Insectifuge	28
Insectiphile	6
Insulin-Sparing	1
Insulinase-Inhibitor	1

Activity	Chemical Count
Insulinic	1
Insulinogenic	4
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Interleukin-6-Inhibitor	3
Intoxicant	1
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	36
JNK-Inhibitor	1
Juvabional	6
Keratitigenic	1
Keratolytic	1
Larvicide	6
Larvostat	4
Laxative	9
Laxative?	2
Leptingenic	1
Leukotriene-Inhibitor	2
Lipolytic	7

Activity	Chemical Count
Lipotropic	3
Lipoxygenase-Inhibitor	9
Lithogenic	3
Litholytic	2
Lubricant	3
Lyase-Inhibitor	1
Lymphocytogenic	3
Lymphokinetic	1
MAO-A-Inhibitor	2
MAO-B-Inhibitor	1
MAO-Inhibitor	4
MAPK-Inhibitor	2
Mast-Cell-Stabilizer	1
Melaninogenic	2
Melatoninogenic	1
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	2

Activity	Chemical Count
Metastatic	1
Mitogenic	1
Mitotic	1
MMP-9-Inhibitor	2
Molluscicide	5
Monoamine-Precursor	3
Monoaminergic	1
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	6
Mucogenic	2
Mucolytic	2
Musculotropic	2
Mutagenic	13
Mutagenic?	1
Mycobactericide	3
Myocardiotoxic	1
Myoprotective	1
Myorelaxant	14
NADH-Oxidase-Inhibitor	2

Activity	Chemical Count
Narcotic	1
Natriuretic	1
Nematicide	15
Nematostat	1
Neoplastic	2
NEP-Inhibitor	2
Nephrotoxic	6
Neuroexcitant	1
Neurogenic	1
Neuroinhibitor	1
Neuroprotective	4
Neurotoxic	4
Neurotransmitter	1
NF-kB-Inhibitor	5
NO-Genic	3
NO-Inhibitor	3
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	7

Activity	Chemical Count
Osteogenic	1
Osteolytic	1
Ovicide	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	2
Oxytotic	1
Ozone-Scavenger	1
P21-Inducer	1
P450-1A-Inducer	1
P450-2B-Inducer	1
P450-2B1-Inhibitor	4
P450-Inducer	2
P450-Inhibitor	1
PAF-Inhibitor	3
Paralytic	1
Parasiticide	1
Parasympathomimetic	1
Pediculicide	1
Percutaneostimulant	2

Activity	Chemical Count
Perfume	4
Perfumery	43
Peristaltic	2
Pesticide	88
PGE2-Inhibitor	1
Phagocytotic	4
Phospholipase-Inhibitor	1
Photoactive	3
Photocarcinogenic	1
Photodermatitigenic	2
Photosensitizer	1
Phototoxic	4
Phytoalexin	5
Phytohormonal	2
Piscicide	5
Pituitary-Stimulant	1
PKC-Inhibitor	1
Plasmodicide	1
Podagragenic	1
Polyamine-Synthesis-Inhibitor	2

Activity	Chemical Count
Preservative	2
Progestational	1
Prolactinogenic	1
Proliferant	2
Prooxidant	4
Propepic	5
Prostaglandigenic	4
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	6
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	4
Protisticide	3
Psychoactive	2
PTK-Inhibitor	3
Pulmonotoxic	1
Pyrogenic	1
Quinone-Reductase-Inducer	3
Radioprotective	2
Refrigerant	1
Renoirritant	1

Activity	Chemical Count
Renotoxic	1
Respiraparalytic	1
Respirastimulant	1
Respirodepressant	1
Roborant	1
Rodenticide	1
Scabicide	2
Schizophrenigenic	1
Scolicide	1
Secretagogue	1
Secretolytic	1
Secretomotor	1
Sedative	32
Sequestrant	1
Serotoninergetic	4
Sialogogue	1
Soap	2
Spasmogenic	4
Spermicide	3
Spermigenic	2

Activity	Chemical Count
Spinoconvulsant	1
Sprout-Inhibitor	2
Succinoxidase-Inhibitor	1
Sunscreen	6
Suppository	1
Sweetener	7
Synergist	1
Tachycardic	1
Teratogenic	2
Teratologic	2
Termiticide	4
Termitifuge	2
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	5
Topoisomerase-I-Inhibitor	4
Topoisomerase-II-Inhibitor	6
Tracheorelaxant	2
Tranquilizer	8
Transdermal	6

Activity	Chemical Count
Tremorigenic	2
Trichomonicide	8
Trichomonistat	1
Triglycerigenic	1
Trypsin-Enhancer	1
Tumor-Promoter	2
Tumorigenic	2
Tyrosinase-Inhibitor	6
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	5
Ulcerogenic	3
Urate-Solvent	1
Uricogenic	2
Uricosuric	3
Urinary-Acidulant	1
Urinary-Antiseptic	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	2

Activity	Chemical Count
Uterotonic	2
Uterotrophic	2
Varroacide	3
Vasodilator	20
Vasopressor	1
VEGF-Inhibitor	4
Vermicide	2
Vermifuge	1
Verrucolytic	1
Vibriocide	2
Vulnerary	7
Xanthine-Oxidase-Inhibitor	6