

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Avena sativa***

Activity	Chemical Count
11B-HSD-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Abortifacient	1
Absorbent	1
Acaricide	2
Acarifuge	1
ACE-Inhibitor	5
Acetylcholinergic	1
AChE-Inhibitor	1
Acidifier	1
Acidulant	2
Acnegenic	1
Additive	1
Adjuvant	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	9
Allelochemic	4

Activity	Chemical Count
Allelopathic	4
Allergenic	12
Alpha-Amylase-Inhibitor	1
Amphiglycemic?	1
Analgesic	13
Anaphrodisiac	1
Androgenic	2
Androgenic?	1
Anesthetic	3
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Anthelmintic	1
Antiacetylcholinesterase	1
Antiacid	1
Antiacne	8
Antiacrodermatitic	1
Antiacrodynamic	1
AntiADD	1
Antiadenomic	2

Activity	Chemical Count
Antiadenoviral	1
Antiadrenergic	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	10
Antiaging	5
Antiakathisic	1
Antialcoholic	6
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	7
Antialopepic	2
Antialzheimeran	8
Antialzheimeran?	1
Antiamblyopic	1
Antianaphylactic	1
Antiandrogenic	1
Antianemic	7
Antianginal	3

Activity	Chemical Count
Antiangiogenic	3
Antianorectic	3
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiarabiflavinotic	1
Antiarrhythmic	5
Antiarteriosclerotic	2
Antiarthritic	12
Antiasthmatic	12
Antiatherogenic	1
Antiatheromic	1
Antiatherosclerotic	10
Antiautistic	1
Antibackache	2
Antibacterial	24
Antiberiberi	2
AntiBPH	1
Antibronchoconstrictor	1
Anticalculic	1

Activity	Chemical Count
Anticancer	9
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	1
Anticancer (Foreestomach)	1
Anticancer (Liver)	2
Anticancer (Lung)	1
Anticancer (Skin)	1
Anticanker	3
Anticarcinogenic	2
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticardiospasmic	2
Anticariogenic	4
Anticarpal-Tunnel	2
Anticataract	9
Anticephalagic	3
Anticervicaldysplasic	5
AntiCFS	3
Anticheilitic	5

Activity	Chemical Count
Antichilblain	1
Anticholinergic	2
Antichoreic	1
Anticirrhotic	2
Anticlastogen	1
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	4
Anticomplementary	1
Anticonvulsant	5
Anticorneotic	1
Anticoronary	6
AntiCrohn's	3
AntiCTS	1
Anticystinuric	1
Anticystitic	2
Antidandruff	3

Activity	Chemical Count
Antidecubitic	4
Antideliriant	2
Antidementia	8
Antidepressant	13
Antidepressant?	1
Antidermatitic	6
Antidiabetic	14
Antidiabetic?	2
Antidiarrheic	3
Antidiscotic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hydrazine)	1
Antidote (Hypoglycin-A)	1
Antidote (Iodine)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1

Activity	Chemical Count
Antidrepanocytic	1
Antidysgeuzic	1
Antidyskinetic	4
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
Antieczemic	3
Antiedemic	7
Antielastase	2
Antiemetic	1
Antiencephalitic	2
Antiencephalopathic	8
Antiencephalopathic?	1
Antiendometriotic	2
Antienteritic	1
Antienterotic	1
Antiepileptic	6
Antiescherichic	3
Antiesophagitic	1
Antiestrogenic	3

Activity	Chemical Count
Antifatigue	9
Antifeedant	6
Antifertility	2
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	3
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	6
Antigastrotic	1
Antigingivitic	3
Antiglaucomic	2
Antiglossitic	4
Antiglycosuric	1
Antigoiter	1
Antigonadotrophic	2
Antigonadotropic	2
Antigout	2

Activity	Chemical Count
Antigrey	1
AntiGTF	1
Antihangover	5
Antiheartburn	2
Antihemolytic	1
Antihemorrhagic	2
Antihepatitic	2
Antihepatoadenomic	1
Antihepatomic	1
Antihepatotic	1
Antihepatotoxic	9
Antiherpetic	8
Antiherpetic?	1
Antihiccup	1
Antihistaminic	5
AntiHIV	5
Antihomocysteine	1
Antihomocystinuric	3
Antihydrophobic	1
Antihyperactivity	1

Activity	Chemical Count
Antihyperammonemic	1
Antihypercholesterolemic	2
Antihyperglycemic	1
Antihyperkeratotic	1
Antihyperkinetic	3
Antihyperlipoproteinaemic	1
Antihypertensive	8
Antihyperthyroid	1
Antihyperventilation	1
Antihypoglycemic	1
Antiichthyotic	1
Antiilus?	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	6
Antiinflammatory	14
Antiinsomniac	5
Antiinsomniac?	1
Antiinsomnic	1

Activity	Chemical Count
Antiischemic	1
Antikeratitic	1
Antikeshan	1
Antiketotic	2
Antilactobacillic	1
AntiLegionella	1
Antileishmanic	3
Antileptic	2
Antileukemic	9
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	3
Antileukotrienogenic	1
Antilipoperoxidant	2
Antilisteria	1
Antilithic	6
Antilupus	1
AntiLyme	5
Antilymphomic	3
Antimaculitic	5

Activity	Chemical Count
Antimalarial	1
Antimanic	2
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	1
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	1
Antimetaplastic	1
Antimetastatic	4
Antimetastatic (Stomach)	1
Antimigraine	7
Antimitotic	1
Antimitral-valve-prolapse	1
AntiMorning-Sickness	1
Antimorphinic	1
AntiMS	1
AntiMSG-Sensitivity	1

Activity	Chemical Count
Antimutagenic	16
Antimyalgic	1
Antimyelotoxic	2
Antimyotrophic	1
Antimyocarditic	3
Antinauseant	1
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	2
Antineuritic	3
Antineuropathic	7
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	6
Antinitrosic	1
Antinociceptive	5

Activity	Chemical Count
Antinyctalopic	1
Antiobesity	7
Antionychyotic	2
Antiophidic	3
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxaluric	1
Antioxidant	35
Antioxidant Synergist	3
Antioxidant?	2
Antiozenic	1
Antipancreatitic	1
Antipapillomic	1
Antiparkinsonian	9
Antiparotitic	1
Antipellagic	3

Activity	Chemical Count
Antipeptic	1
Antiperiodontal	2
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	5
Antiperoxyinitrite	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplantar	1
Antiplaque	5
Antiplasmodial	1
AntiPMS	6
Antipneumonic	1
Antipodriac	2
Antipolio	2
Antipoliomyelitic	3
Antipolyp	1

Activity	Chemical Count
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	2
Antiproliferant	6
Antiprostaglandin	5
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	5
Antiprostatotic	1
Antipruritic	1
Antipsoriac	2
Antipsychotic	3
Antipyretic	3
Antiradiation	1
Antiradicular	11
AntiRaynaud's	3
Antiretardation	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	7

Activity	Chemical Count
Antirheumatitic?	1
Antirhinitic	1
Antisalmonella	2
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	5
Antiseptic	18
Antiserotonin	1
Antishingles	1
Antisickling	6
Antisilicotic	1
Antispasmodic	15
Antispasmophilic	1
AntiSpina-Bifida	2
Antistaphylococcic	2
Antisteatotic	1
Antistomatitic	2

Activity	Chemical Count
Antistreptococcic	2
Antistress	4
Antistroke	3
Antisunburn	1
Antisyndrome-X	6
Antithiamin	2
Antithrombic	2
Antithyreotropic	1
Antithyroid	1
Antithyrotoxic	1
Antitic	1
Antitinnitic	1
AntiTMJ	1
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	2
Antitumor	21
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	5

Activity	Chemical Count
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Fore stomach)	1
Antitumor (Gastric)	1
Antitumor (Liver)	2
Antitumor (Lung)	6
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Prostate)	5
Antitumor (Skin)	3
Antitumor (Stomach)	3
Antitumor-Promoter	6
Antitussive	1
Antiulcer	12
Antiulcerogenic	2
Antiuremic	1
Antiuricosuric	1
Antivaccinia	1
Antivaginitic	2

Activity	Chemical Count
Antivaricose	1
Antivertigo	2
Antiviral	12
Antiviral?	1
Antivertilgic	1
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	7
AP-1-Inhibitor	1
Aphrodisiac	2
Apoptotic	6
Artemicide	2
Arteriodilator	1
Ascaricide	1
Asthma-preventive	1
Astringent	1
Atherogenic	1
ATPase-Inhibitor	1
Bacteristat	3
Beta-Adrenergic Receptor Blocker	1

Activity	Chemical Count
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchoprotectant	1
Bronchorelaxant	3
Bruchiphobe	2
Calcium-Antagonist	3
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	30
Candidicide	8
Candidistat	1
Capillariprotective	1
Carcinogenic	3
Cardiac	1
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	11
Cardiotonic	1

Activity	Chemical Count
Cardiotoxic	1
Caspase-8-Inducer	1
Catabolic	2
Cerebrotonic	1
Chelator	1
Chemopreventive	6
Cholagogue	3
Choleretic	6
Cholesterolytic	1
Cholinergic	1
Circulotonic	2
Clastogenic	1
CNS-Active	1
CNS-Depressant	3
CNS-Paralytic	1
CNS-Stimulant	1
Co-carcinogenic	1
Cold-preventive	1
Collagen-Sparing	1
Collagenic	2

Activity	Chemical Count
Collyrium	1
Colorant	1
Comedogenic	1
COMT-Inhibitor	1
Contraceptive	2
Copper-Antagonist	1
Copper-Chelator	1
COX-1-Inhibitor	1
COX-2-Inhibitor	4
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	1
Cytoprotective	1
Cytotoxic	4
Deiodinase-Inhibitor	1
Demulcent	2
Deodorant	1
Depressant	2
Dermatitigenic	2
Detoxicant	2

Activity	Chemical Count
Detoxicant (Alcohol)	1
Diaphoretic?	2
Differentiator	1
Disinfectant	1
Diuretic	8
DNA-Active	1
DNA-Protective	1
Dopaminergic	1
Emetic	1
Emmenagogue	1
Emollient	1
Encephalopathic	1
Energizer	1
Enterocontractant	1
Epidermal-Stimulant	1
Ergogenic	1
Erythrocytogenic	1
Essential	9
Estrogenic	5
Ethanolytic	1

Activity	Chemical Count
Expectorant	3
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	12
Fungicide	21
Fungiphilic	1
Fungistat	2
GABA-nergic	1
Gastroprotective	2
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	1
Goitrogenic	1
Gonadotrophic	2
GST-Inducer	1
Hematopoietic	2
Hemopoietic	1
Hemostat	4

Activity	Chemical Count
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	10
Hepatotoxic	1
Hepatotropic	2
Herbicide	3
Herbistat	1
Histamine-Inhibitor	1
Histaminic	1
HIV-RT-Inhibitor	1
Hydrocholerectic	1
Hypercholesterolemic	1
Hyperglycemic	2
Hypertensive	1
Hyperthyroid	1
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	1
Hypocalcemic	1

Activity	Chemical Count
Hypocholesterolemic	17
Hypoglycemic	12
Hypolipidemic	4
Hypotensive	11
Hypothermic	2
Hypouricemic	1
Ileorelaxant	1
Immunomodulator	9
Immunostimulant	10
Immunosuppressant	4
iNOS-Inhibitor	1
Inotropic	1
Insecticide	3
Insectifuge	8
Insectifuge?	1
Insulinase-Inhibitor	1
Insulinogenic	4
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	1

Activity	Chemical Count
Interleukin-6-Inhibitor	1
Irritant	10
Juvabional	1
Keratitigenic	1
Keratolytic	1
Larvicide	1
Larvostat	2
Laxative	7
Laxative?	2
Leptingenic	1
Leukotriene-Inhibitor	1
Lipolytic	1
Lipotropic	3
Lipoxygenase-Inhibitor	3
Lithogenic	1
Litholytic	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	1
Mast-Cell-Stabilizer	1

Activity	Chemical Count
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mosquitocide	1
Motor-Depressant	1
Mucogenic	3
Mucolytic	2
Musculotropic	1
Mutagenic	3
Mycobactericide	2
Myorelaxant	4
NADH-Oxidase-Inhibitor	1
Narcotic	1
Nematicide	3
Neoplastic	2
NEP-Inhibitor	1

Activity	Chemical Count
Neuroexcitant	1
Neuroinhibitor	1
Neuromyostimulant	1
Neuroprotective	2
Neurotoxic	2
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	2
NO-Inhibitor	1
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5
Osmoregulator	1
Osteogenic	1
Osteolytic	1
Ovulant	1
Oxidant	2
Ozone-Scavenger	1
P450-2B1-Inhibitor	1
P450-Inducer	3

Activity	Chemical Count
P450-Inhibitor	1
Parasiticide	1
Parasympathomimetic	1
Perfumery	5
Peristaltic	2
Pesticide	39
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
Photosensitizer	1
Phytoalexin	2
Phytohormonal	1
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Poultice	1
Preservative	2
Progesteronigenic	2
Prolactinogenic	1
Proliferant	1

Activity	Chemical Count
Prooxidant	3
Propepic	1
Prostaglandigenic	4
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	4
Protein-Kinase-C-Inhibitor	2
Protisticide	2
PTK-Inhibitor	1
Quinone-Reductase-Inducer	1
Refrigerant	1
Renotoxic	1
Roborant	1
Scabicide	1
Schizophrenigenic	1
Scolicide	1
Secretagogue	1
Sedative	7
Sequestrant	1
Serotoninerpic	3
Sialogogue	1

Activity	Chemical Count
Spermicide	2
Spermigenic	2
Sunscreen	2
Sweetener	2
Taenicide	1
Teratologic	1
Termiticide	1
Termitifuge	1
Testosteronigenic	1
Thymoprotective	1
Thyrotropic	2
TNF-alpha-Inhibitor	1
Topoisomerase-I-Inhibitor	1
Topoisomerase-II-Inhibitor	1
Toxic	1
Tranquilizer	2
Transdermal	1
Tremorigenic	1
Trichomonicide	2
Triglycerigenic	1

Activity	Chemical Count
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	4
Ulcerogenic	3
Uricogenic	1
Uricosuric	5
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	2
Varroacide	1
Vasoconstrictor	1
Vasodilator	8
VEGF-Inhibitor	2
Verrucolytic	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	4