

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Pyrus communis*

Activity	Chemical Count
11B-HSD-Inhibitor	1
5-Alpha-Reductase-Inhibitor	5
5-Lipoxygenase-Inhibitor	1
Acarifuge	1
ACE-Inhibitor	1
Acidulant	2
Adjuvant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	3
Allelochemic	5
Allergenic	10
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Anabolic	1
Analgesic	8
Androgenic	1
Androgenic?	1
Anemiagenic	2
Anesthetic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Antiacid	1
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1
Antiadenoviral	1

Activity	Chemical Count
Antiadrenalinic	1
Antiaflatoxin	1
AntiAGE	2
Antiaggregant	8
Antiaging	5
Antiakathisic	1
Antialcoholic	5
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	5
Antialopepic	4
Antialzheimeran	7
Antiamblyopic	1
Antianaphylactic	3
Antiandrogenic	3
Antianemic	4
Antianginal	3
Antiangiogenic	3
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiaphthic	1
Antiarabiflavinotic	1
Antiarrhythmic	4
Antiartherosclerotic	3
Antiarthritic	15

Activity	Chemical Count
Antiasthmatic	6
Antiatherogenic	1
Antiatheromic	1
Antiatherosclerotic	11
Antibackache	1
Antibacterial	15
Antiberiberi	1
AntiBPH	1
Anticalculic	1
Anticancer	5
Anticancer (Breast)	1
Anticancer (Colon)	1
Anticancer (Esophagus)?	1
Anticanker	3
Anticarcinogenic	1
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	3
Anticarpal-Tunnel	1
Anticataract	9
Anticephalagic	3
Anticervicaldysplasic	4
AntiCFS	3
Anticheilitic	3
Antichilblain	1
Anticholestatic	1

Activity	Chemical Count
Anticirrhotic	1
Anticirrhotic?	1
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplement	1
Anticomplementary	2
Anticonvulsant	4
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
Anticystitic	2
Antidandruff	3
Antidecubitic	3
Antideliriant	1
Antidementia	5
Antidepressant	9
Antidepressant?	1
Antidermatitic	3
Antidiabetic	14
Antidiabetic?	1
Antidiarrheic	1
Antidiscotic	1

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	1
Antidysmenorrhic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	5
Antiedemic	5
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterotic	1
Antiepileptic	5
Antiescherichic	3
Antiestrogenic	1

Activity	Chemical Count
Antifatigue	7
Antifeedant	3
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomic	2
Antifibrotic	3
Antiflu	3
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	4
Antigastrotic	1
Antigingivitic	2
Antiglaucomic	2
Antiglossitic	2
Antiglycosuric	1
Antigonadotropic	2
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihemolytic	1
Antihemorrhagic	1
Antihepatitic	4
Antihepatoadenomic	1

Activity	Chemical Count
Antihepatomic	1
Antihepatotic	1
Antihepatotoxic	5
Antiherpetic	6
Antiherpetic?	1
Antihistaminic	7
AntiHIV	6
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	2
Antihyperglycemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipidemic	2
Antihypertensive	8
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyotic	1
Antiielus?	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	5
Antiinflammatory	14
Antiinsomniac	3

Activity	Chemical Count
Antiinsomniac?	1
Antiinsomnic	1
Antiinsulinogenic	1
Antischismic	1
Antikeratitic	1
Antikeshan	1
AntiLegionella	1
Antileishmanic	3
Antileptic	2
Antileukemic	6
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	3
Antileukotriene-D4	4
Antilipoperoxidant	4
Antilithic	5
Antilupus	1
AntiLyme	5
Antilymphomic	2
Antimaculitic	6
Antimalarial	3
Antimanic	2
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	3

Activity	Chemical Count
Antimelasmic	1
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	4
Antimetastatic	6
Antimigraine	4
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	3
Antimutagenic	9
Antimyalgic	1
Antimyelotoxic	1
Antimyocarditic	2
Antinephritic	3
Antinephrolytic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	4
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	2
Antinitrosic	1
Antinociceptive	2
Antinyctalopic	2

Activity	Chemical Count
Antiobesity	6
Antiobesity?	1
Antionychyotic	1
Antiophidic	1
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiosteotic	1
Antiotitic	1
Antiototic	1
Antioxidant	18
Antioxidant Synergist	2
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	6
Antiparotitic	1
Antipellagic	3
Antiperiodontal	2
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	4
Antipertussive	1
Antipharyngitic	1
Antiphenylketonuric	1

Activity	Chemical Count
Antiphotohobic	2
Antipityriasic	1
Antiplantar	1
Antiplateque	5
Antiplasmodial	2
AntiPMS	6
Antipneumonic	1
Antipodriac	2
Antipolio	1
Antipoliomyelitic	2
Antipolyneuritic	1
Antiporphyrhic	1
Antiprolactin	1
Antiproliferant	5
Antiproliferative	1
Antiprostaglandin	2
Antiprostanoid	1
Antiprostatitic	6
Antiprostatotic	1
Antipruritic	1
Antipsoriac	2
Antipsychotic	2
Antipyretic	1
Antiradicular	9
AntiRaynaud's	3
Antiretardation	1
Antiretinitic Optometry	1

Activity	Chemical Count
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	6
Antirheumatitic?	1
Antirhinitic	1
Antisalmonella	2
Antischizophrenic	1
Antisclerodermic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	10
Antishingles	1
Antisickling	1
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	8
Antispasmophilic	1
AntiSpina-Bifida	1
Antistaphylococcic	2
Antistomatitic	2
Antistreptococcic	2
Antistress	4
Antistroke	3
Antisunburn	1
Antisyndrome-X	7
AntiTGF-beta	1

Activity	Chemical Count
Antithiamin	2
Antithrombic	1
Antithromboxane	1
Antithyrotropic	1
Antithyroid	1
Antitic	1
Antitinnitic	1
Antitriglyceride	2
Antitrypanosomic	3
Antitubercular	2
Antitumor	11
Antitumor (Bladder)	2
Antitumor (brain)	2
Antitumor (Breast)	5
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Esophagus)?	1
Antitumor (Gastric)	1
Antitumor (Lung)	5
Antitumor (Ovary)	2
Antitumor (Prostate)	4
Antitumor (Skin)	2
Antitumor (Stomach)	3
Antitumor-Promoter	5
Antitussive	3
Antiulcer	12

Activity	Chemical Count
Antiulcerogenic	2
Antiuremic	1
Antivaccinia	1
Antivaginitic	2
Antivertigo	1
Antiviral	8
Antiviral?	1
Antixerophthalmic	1
Anxiolytic	7
AP-1-Inhibitor	1
Aphrodisiac	1
Apoptotic	3
Aromatase-Inhibitor	1
Artemicide	1
Asthma-preventive	1
Astringent	4
ATPase-Inhibitor	2
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	3
Beta-Glucuronidase-Inhibitor	2
Bitter	1
Bradycardiac	1
Bruchifuge	1
Bruchiphobe	1
Calcium-Antagonist	3
Calcium-Channel-Blocker	1

Activity	Chemical Count
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	25
Cancer-Preventive?	1
Candidicide	4
Capillariprotective	1
Carcinogenic	6
Cardiomyopathogenic	1
Cardioprotective	11
Cardioprotective?	1
Cardiotonic	2
Cardiotoxic	1
Catabolic	1
Chemopreventive	3
Cholagogue	1
Choleretic	5
Choline-Sparing	1
Cholinergic	1
Circulotonic	2
Clastogenic	1
CNS-Active	1
CNS-Depressant	3
Co-carcinogenic	2
Cold-preventive	1
Collagen-Sparing	1
Collagenic	2
Colorant	2

Activity	Chemical Count
Comedogenic	1
Comedolytic	1
COMP-Inhibitor	1
COMT-Inhibitor	1
Contraceptive	1
Convulsant	1
Copper-Antagonist	1
Copper-Chelator	1
COX-1-Inhibitor	2
COX-2-Inhibitor	4
Cyanogenic	1
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	4
Deiodinase-Inhibitor	1
Deliriant	2
Demulcent	1
Deodorant	1
Depigmentor	1
Depressant	1
Dermatitigenic	2
Detoxicant	1
Detoxicant (Alcohol)	1
Diaphoretic?	1
Differentiator	1
Disinfectant	1

Activity	Chemical Count
Diuretic	10
DNA-Active	1
DNA-Protective	1
Elastase-Inhibitor	1
Emetic	3
Encephalopathic	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Essential	7
Estrogenic	2
Expectorant	2
Fibrinolytic	1
Fistula-Preventive	1
FLavor	10
Fungicide	7
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	1
Hematopoietic	1
Hemolytic	1
Hemopoietic	1
Hemostat	4
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	8
Hepatotoxic	1

Activity	Chemical Count
Hepatotropic	2
Herbicide	1
Histamine-Inhibitor	1
HIV-RT-Inhibitor	1
Hypercholesterolemic	1
Hypertensive	3
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	15
Hypoglycemic	10
Hypolipidemic	1
Hypotensive	10
Hypotriglyceridemic	1
Hypouricemic	1
Ileorelaxant	1
Immunomodulator	9
Immunostimulant	8
Immunosuppressant	1
iNOS-Inhibitor	1
Inotropic	1
Insectifuge	5
Insulin-Sparing	2
Insulinogenic	5
Interferon-Synergist	1
Interferonogenic	1
Interleukin-1-alpha-Inhibitor	1
Interleukin-6-mRNA-Inhibitor	1

Activity	Chemical Count
Irritant	6
Juvabional	2
Keratitogenic	1
Keratolytic	1
Larvostat	1
Laxative	4
Laxative?	2
Leptogenic	1
Leucocytogenic	1
Leukotriene-Inhibitor	1
Lipotropic	1
Lipoxygenase-Inhibitor	5
Lithogenic	2
Litholytic	2
Lubricant	1
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Metal-Chelator	1
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	2
Monoamine-Precursor	1
Mucogenic	2

Activity	Chemical Count
Mucolytic	2
Mutagenic	3
Mycobactericide	2
Mycoplasma-stat	2
Myorelaxant	1
NADH-Oxidase-Inhibitor	1
Narcotic	1
Natriuretic	1
Nematicide	2
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	4
Neuroexcitant	1
Neuroinhibitor	1
Neuroprotective	2
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	4
Osteogenic	1
Osteolytic	1
Oxidant	2
P450-Inducer	1

Activity	Chemical Count
P450-Inhibitor	1
Pancreatogenic	1
Pancreatoxic	1
Parasiticide	1
Percutaneostimulant	2
Perfume	1
Perfumery	4
Peristaltic	1
Peroxynitrite-Scavenger	1
Pesticide	24
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-Inhibitor	1
Phytohormonal	1
Piscicide	1
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
Proliferant	1
Prooxidant	4
Propecic	6
Prostaglandigenic	1
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	2

Activity	Chemical Count
Protisticide	2
PTK-Inhibitor	1
Quinone-Reductase-Inducer	3
Refrigerant	1
Retinoprotectant Optometry	1
Roborant	1
Scabicide	1
Schizophrenigenic	1
Scolicide	1
Sedative	2
Serotoninerpic	1
Sialogogue	1
Soap	2
Sodium-Sparing	1
Spermicide	1
Spermigenic	2
Sunscreen	1
Teratologic	1
Testosteronigenic	1
Thymoprotective	1
Tinnitigenic	1
TNF-alpha-Inhibitor	2
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	1
Topoisomerase-II-Inhibitor	1
Toxic	2
Tranquilizer	2

Activity	Chemical Count
Trichomonicide	1
Trypanocide	1
Tumorigenic	2
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	2
Ulcerogenic	1
Uricosuric	3
Urinary-Acidulant	1
Urinary-Antiseptic	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Vasodilator	9
Vasopressor	1
VEGF-Inhibitor	2
Verrucolytic	1
Vulnerary	3
Xanthine-Oxidase-Inhibitor	5