

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Trifolium pratense***

Activity	Chemical Count
11B-HSD-Inhibitor	2
17-beta-hydroxysteroid dehydrogenase-Inhibitor	1
5-Alpha-Reductase-Inhibitor	6
5-Lipoxygenase-Inhibitor	2
Abortifacient	2
Acaricide	5
ACE-Inhibitor	3
Acetylcholinergic	1
AChE-Inhibitor	1
Acidulant	2
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	16
Allelochemic	9
Allelopathic	1
Allergenic	16
Alpha-Reductase-Inhibitor	3
Amphiglycemic?	1
Analgesic	17
Anaphrodisiac	1
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	7
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Anthelmintic	1

Activity	Chemical Count
Antiacetylcholinesterase	2
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	2
Antiadenoviral	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	10
Antiaging	6
Antiakathisic	1
Antialcoholic	7
Antialkali?	1
Antiakalotic	1
Antiallergenic	1
Antiallergic	6
Antialopepic	4
Antialzheimeran	7
Antialzheimeran?	1
Antiamblyopic	1
Antianaphylactic	3
Antiandrogenic	5
Antianemic	3
Antianginal	4
Antiangiogenic	4
Antianorectic	2

Activity	Chemical Count
Antianorexic	1
Antianxiety	3
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	5
Antiartherosclerotic	3
Antiarthritic	13
Antiasthenic	1
Antiasthmatic	8
Antiatherogenic	1
Antiatherosclerotic	9
Antibackache	1
Antibacterial	27
Antiberiberi	1
AntiBPH	1
Antibrucellosic	1
Anticancer	9
Anticancer (Breast)	2
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	1
Anticancer (Kidney)	1
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Pancreas)	1
Anticancer (Prostate)	1

Activity	Chemical Count
Anticancer (Skin)	1
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	1
Anticarcinomic (Breast)	2
Anticardiospasmic	1
Anticariogenic	4
Anticarpal-Tunnel	1
Anticataract	10
Anticephalagic	5
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Antichoreic	1
Anticirrhotic	2
Anticlastogen	1
Anticlimacteric	5
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticomplementary	1
Anticonvulsant	6
Anticorneotic	1
Anticoronary	5

Activity	Chemical Count
AntiCrohn's	3
AntiCTS	1
AntiCystic-Fibrosis	1
Anticystinuric	1
Anticystitic	1
Antidandruff	4
Antideafness	1
Antidecubitic	3
Antideliriant	1
Antidementia	7
Antidepressant	9
Antidepressant?	1
Antidermatitic	5
Antidermatotic	1
Antidiabetic	15
Antidiabetic?	1
Antidipsomaniac	2
Antidiscotic	1
Antidiuretic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Camphor)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Morphine)	1
Antidote (Paracetamol)	1

Activity	Chemical Count
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrheic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	6
Antiedemic	9
Antielastase	4
Antiencephalitic	2
Antiencephalopathic	6
Antiencephalopathic?	1
Antiendocytotic	1
Antiendometriotic	2
Antienterotic	1
Antiepileptic	5
Antiescherichic	2
Antiesherichic	1
Antiesophagitic	1
Antiestrogenic	5
Antifatigue	7
Antifeedant	11
Antifertility	5
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrosarcomic	1

Activity	Chemical Count
Antifibrotic	3
Antiflu	5
Antifuruncular	1
Antigallstone	1
Antigastric	2
Antigastritic	2
Antigastrotic	1
Antigenotoxic	2
Antigingivitic	3
Antiglaucomic	2
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	2
Antigonadotropic	3
Antigout	1
Antigranular	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihemolytic	4
Antihemorrhagic	3
Antihemorrhoidal	1
Antihepatitic	2
Antihepatoadenomic	1
Antihepatotic	2
Antihepatotoxic	9

Activity	Chemical Count
Antiherpetic	9
Antiherpetic?	1
Antihistaminic	10
AntiHIV	6
Antihomocysteine	1
Antihydrocoele	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	8
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1
Antiimplantation	2
Antiimpotence	2
Antiincontinence	1
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	25
Antiinsomniac	4
Antiinsomnic	1



Activity	Chemical Count
Antiischemic	3
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
Antiketotic	1
AntiLegionella	2
Antileishmanic	2
Antileptic	2
Antileukemic	9
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	5
Antileukotriene-B4	1
Antileukotriene-D4	2
Antilipedemic	1
Antilipoperoxidant	2
Antilithic	4
Antilupus	1
AntiLyme	5
Antilymphedemic	1
Antilymphocytic	1
Antilymphomic	5
Antimaculitic	5
Antimalarial	2
Antimange	1
Antimanic	2
Antimastalgic	1

Activity	Chemical Count
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	6
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	2
Antimetastatic	4
Antimetastatic (Stomach)	1
Antimicrobial	3
Antimigraine	6
Antimite	1
Antimitogenic	1
Antimitotic	2
Antimitral-valve-prolapse	1
Antimononucleotic	1
AntiMS	3
Antimutagenic	18
Antimyalgic	1
Antimycoplasmotic	1
Antimyocarditic	2
Antinephritic	1
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1

Activity	Chemical Count
Antineuroblastomic	1
Antineuropathic	3
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	4
Antinitrosating	1
Antinitrosic	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	6
Antiodontalgic	1
Antioncycomycotic	1
Antionychogryphotic	1
Antionychyotic	2
Antiophidic	2
Antiorchitic	1
Antiosteoarthritic	3
Antiosteoporotic	12
Antiosteoporotic?	1
Antiotitic	2
Antiototic	1
Antioxidant	40
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	8

Activity	Chemical Count
Antiparotitic	1
Antipellagic	3
Antipeptic	2
Antiperiodic	1
Antiperiodontal	2
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	4
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplateque	6
Antiplasmodial	2
AntiPMS	5
Antipneumonic	1
Antipodagric	1
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	6
Antiproliferative	2

Activity	Chemical Count
Antiprostaglandin	4
Antiprostanoid	1
Antiprostataadenomic	3
Antiprostatic	8
Antipruritic	1
Antipsittacotic	1
Antipsoriac	5
Antipsoriatic	1
Antipsychotic	1
Antipurpuric	1
Antipyretic	5
Antipyruvetic	1
Antiradicular	14
AntiRaynaud's	3
Antiretardation	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatalgic	1
Antirheumatic	8
Antirhinitic	1
Antisalmonella	3
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	1
Antiseptic	19
Antiserotonin	1

Activity	Chemical Count
Antishingles	1
Antishock	1
Antisickling	2
Antisilicotic	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	20
Antispasmophilic	1
Antispastic	1
Antistaphylococcic	5
Antisteatotic	1
Antistomatitic	3
Antistreptococcic	2
Antistress	4
Antistroke	3
Antisunburn	2
Antisyndrome-X	6
Antitartar	1
Antithiamin	2
Antithrombic	1
Antithrombogenic	1
Antithromboxane	1
Antithyroid	2
Antititic	1
Antitinnitic	1
AntiTNF	1
Antitoxoplasmotic	1

Activity	Chemical Count
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	2
Antitumor	19
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	6
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (GI)	3
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	6
Antitumor (Ovary)	2
Antitumor (Pancreas)	2
Antitumor (Prostate)	6
Antitumor (Skin)	3
Antitumor (Stomach)	4
Antitumor-Promoter	7
Antitussive	1
Antitympanic	1
Antiulcer	15
Antiulcer?	2

Activity	Chemical Count
Antiulcerogenic	3
Antiuremic	1
Antivaccinia	1
Antivaginitic	2
Antivaricose	1
Antivertigo	1
Antiviral	17
Antiviral?	1
Antivittilic	1
Antiwrinkle	2
Antixerophthalmic	1
Anxiolytic	8
AP-1-Inhibitor	1
Aphrodisiac	1
Apifuge	1
Apoptotic	9
Aromatase-Inhibitor	4
Artemicide	1
Ascaricide	1
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2



Activity	Chemical Count
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchoprotectant	1
Bronchorelaxant	1
Bruchiphobe	1
Calcium-Antagonist	9
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	43
Candidicide	9
Candidistat	2
Capillarifortificant	1
Capillarigenic	2
Capillariprotective	1
Carcinogenic	8
Carcinogenic?	1
Cardiodepressant	2
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	3
Cardiotoxic	1
Carminative	3
Caspase-8-Inducer	1
Catabolic	1
Catechol-O-Methyltransferase-Inhibitor	1

Activity	Chemical Count
Cerebrotonic	1
Chemopreventive	7
Cholagogue	2
Choleretic	7
Cholesterolytic	1
Cholinergic	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	6
CNS-Paralytic	1
CNS-Sedative	1
CNS-Stimulant	2
Co-carcinogenic	1
Coagulant	1
Cold-preventive	1
Collagen-Sparing	2
Collagenic	2
Colorant	1
Comedolytic	2
COMP-Inhibitor	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Coronary-Dilator	1
Cosmetic	3

Activity	Chemical Count
Counterirritant	1
COX-1-Inhibitor	3
COX-2-Inhibitor	7
Culicide	1
Cyclooxygenase-Activator	2
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	1
Cytoprotective	1
Cytotoxic	9
Deiodinase-Inhibitor	1
Dentifrice	1
Deodorant	1
Depressant	1
Dermatitigenic	3
Detoxicant	4
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic	1
Diaphoretic?	3
Differentiator	1
Diuretic	14
DME-Inhibitor	1
DNA-Active	1
DNA-Binder	2
DNA-Protective	1

Activity	Chemical Count
DOPA-Decarboxylase-Inhibitor	1
Dye	2
Embryotoxic	1
Emetic	5
Encephalopathic	1
Energizer	1
Enterocontractant	1
Enterorelaxant	1
ER-Beta-Binder	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogen-Agonist	3
Estrogenic	13
Expectorant	5
Fatal	1
Febrifuge	1
FEMA	1
Fibrinolytic	1
Fistula-Preventive	1
Flatulent	2
FLavor	21
Fungicide	32
Fungiphilic	1
Fungistat	4
GABA-nergic	1
Gastroprotective	2

Activity	Chemical Count
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	1
Gonadotrophic	1
GST-Inducer	1
Hemolytic	3
Hemorrhagic	1
Hemostat	2
Hemostatic	1
Hepatocarcinogenic	2
Hepatomagenic	1
Hepatoprotective	13
Hepatotonic	1
Hepatotoxic	2
Hepatotropic	1
Herbicide	3
Herbicide-Safener	2
Herbistat	3
Herpetifuge	1
Histamine-Inhibitor	2
Histaminic	1
Histidine-Kinase-Inhibitor	1
HIV-RT-Inhibitor	2
Hypercholesterolemic	3
Hyperglycemic	1
Hypertensive	1
Hypnotic	4
Hypoammonemic	1

Activity	Chemical Count
Hypoarginanemic	1
Hypocholesterolemic	16
Hypoglycemic	12
Hypolipidemic	5
Hypotensive	17
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	1
Ileorelaxant	1
Immunomodulator	10
Immunostimulant	12
Immunosuppressant	1
iNOS-Inhibitor	2
Inotropic	2
Insecticide	7
Insectifuge	16
Insectiphile	4
Insulinase-Inhibitor	1
Insulinogenic	5
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Interleukin-6-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	10
JNK-Inhibitor	1
Juvabional	4

Activity	Chemical Count
Keratitigenic	1
Keratolytic	2
Larvicide	3
Larvostat	4
Laxative	4
Leptingenic	1
Leukotriene-Inhibitor	2
Lipase-Inhibitor	3
Lipolytic	1
Lipotropic	2
Lipoxygenase-Inhibitor	6
Lithogenic	1
Litholytic	1
Lubricant	3
Lyase-Inhibitor	1
Lymphocytogenic	1
Lymphokinetic	1
MAO-A-Inhibitor	2
MAO-Inhibitor	4
Mast-Cell-Stabilizer	1
MDR-Inhibitor	1
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	3
Metalloproteinase-Inhibitor	1
Metastatic	1

Activity	Chemical Count
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mosquitocide	1
Mosquitofuge	1
Motor-Depressant	5
Mucogenic	2
Mucolytic	2
Mutagenic	4
Mycobactericide	1
Myocontractant	1
Myorelaxant	4
NADH-Oxidase-Inhibitor	1
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
Narcotic	2
Natriuretic	2
Nematicide	13
Nematistat	1
NEP-Inhibitor	1
Neuroprotective	3
Neurotoxic	2
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	3
NO-Inhibitor	3
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	6
Osteogenic	1



Activity	Chemical Count
Osteolytic	1
Ovicide	1
Oviposition-Stimulant	1
Oxidant	1
Oxidase-Inhibitor	1
Ozone-Scavenger	1
P450-Inducer	2
P450-Inhibitor	1
PAF-Inhibitor	1
Paralytic	1
Parasympathomimetic	2
Percutaneostimulant	1
Perfumery	13
Peristaltic	1
Peroxidase-Inhibitor	2
Pesticide	57
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
Photosensitizer	1
Phytoalexin	5
Pigment	3
Piscicide	1
Pituitary-sensitizer	1
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1

Activity	Chemical Count
Prolactinogenic	1
Proliferant	1
Prooxidant	7
Propepic	4
Prostaglandigenic	2
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	4
Protein-Kinase-C-Inhibitor	2
Protisticide	2
PTK-Inhibitor	2
Pyrogenic	1
Quinone-Reductase-Inducer	8
Renotoxic	1
Respirodepressant	1
Rodenticide	2
Schizophrenigenic	1
Sedative	13
Serotoninerpic	2
Sialogogue	1
Soap	1
Soporific	1
Spermicide	2
Spermigenic	2
Sunscreen	3
Suppository	1
Suppurative	1
Sweetener	3

Activity	Chemical Count
Taenicide	1
Teratologic	2
Termiticide	2
Termitifuge	2
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
Tineacide	1
Tissue-Thromboplastin-Inhibitor	1
TNF-alpha-Inhibitor	3
Topoisomerase-I-Inhibitor	7
Topoisomerase-II-Inhibitor	7
Topoisomerase-II-Poison	1
Toxic	1
Tranquilizer	2
Tranquilizer?	1
Transdermal	1
Tremorigenic	1
Trichomonicide	4
Trichomonistat	1
Trypanosomastat	1
Trypsin-Enhancer	1
Tumor-Promoter	2
Tumorigenic	3
Tyrosinase-Inhibitor	4
Tyrosine-Kinase-Inhibitor	3
Ubiquiot	2

Activity	Chemical Count
Ulcerogenic	4
Uricosuric	1
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterotrophic	5
VAM-Simulant	1
VAM-Stimulant	1
Varroacide	3
Vasodilator	13
Vasopressor	1
VEGF-Inhibitor	4
Vermifuge	1
Verrucolytic	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	3