

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

<b>Activity</b>	<b>Chemical Count</b>
Xanthine-Oxidase-Inhibitor	3
Vulnerary	5
Verrucolytic	1
Vermifuge	1
VEGF-Inhibitor	4
Vasopressor	1
Vasodilator	13
Varroacide	3
VAM-Stimulant	1
VAM-Simulant	1
Uterotrophic	5
Uterorelaxant	1
Urine-Deodorant	1
Urine-Acidifier	1
Urinary-Acidulant	1
Uricosuric	1
Ulcerogenic	4
Ubiquit	2
Tyrosine-Kinase-Inhibitor	3
Tyrosinase-Inhibitor	4
Tumorigenic	3
Tumor-Promoter	2
Trypsin-Enhancer	1
Trypanosomastat	1
Trichomonistat	1
Trichomonicide	4
Tremorigenic	1

Activity	Chemical Count
Transdermal	1
Tranquilizer?	1
Tranquilizer	2
Toxic	1
Topoisomerase-II-Poison	1
Topoisomerase-II-Inhibitor	7
Topoisomerase-I-Inhibitor	7
TNF-alpha-Inhibitor	3
Tissue-Thromboplastin-Inhibitor	1
Tineacide	1
Thymoprotective	1
Thermogenic	1
Testosteronigenic	1
Termitifuge	2
Termiticide	2
Teratologic	2
Taenicide	1
Sweetener	3
Suppurative	1
Suppository	1
Sunscreen	3
Spermigenic	2
Spermicide	2
Soporific	1
Soap	1
Sialogogue	1
Serotoninergic	2

Activity	Chemical Count
Sedative	13
Schizophrenigenic	1
Rodenticide	2
Respirodepressant	1
Renotoxic	1
Quinone-Reductase-Inducer	8
Pyrogenic	1
PTK-Inhibitor	2
Protisticide	2
Protein-Kinase-C-Inhibitor	2
Prostaglandin-Synthesis-Inhibitor	4
Prostaglandin-Sparer	1
Prostaglandigenic	2
Propecic	4
Prooxidant	7
Proliferant	1
Prolactinogenic	1
Polyamine-Synthesis-Inhibitor	1
Plasmodicide	1
Pituitary-Stimulant	1
Pituitary-sensitizer	1
Piscicide	1
Pigment	3
Phytoalexin	5
Photosensitizer	1
Phospholipase-Inhibitor	1
Phagocytotic	2

Activity	Chemical Count
PGE2-Inhibitor	1
Pesticide	57
Peroxidase-Inhibitor	2
Peristaltic	1
Perfumery	13
Percutaneostimulant	1
Parasympathomimetic	2
Paralytic	1
PAF-Inhibitor	1
P450-Inhibitor	1
P450-Inducer	2
Ozone-Scavenger	1
Oxidase-Inhibitor	1
Oxidant	1
Oviposition-Stimulant	1
Ovicide	1
Osteolytic	1
Osteogenic	1
Ornithine-Decarboxylase-Inhibitor	6
NO-Synthase-Inhibitor	1
NO-Inhibitor	3
NO-Genic	3
NF-kB-Inhibitor	3
Neurotransmitter	1
Neurotoxic	2
Neuroprotective	3
NEP-Inhibitor	1

Activity	Chemical Count
Nematostat	1
Nematicide	13
Natriuretic	2
Narcotic	2
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
NADH-Oxidase-Inhibitor	1
Myorelaxant	4
Myocontractant	1
Mycobactericide	1
Mutagenic	4
Mucolytic	2
Mucogenic	2
Motor-Depressant	5
Mosquitofuge	1
Mosquitocide	1
Monoamine-Precursor	3
MMP-9-Inhibitor	1
Metastatic	1
Metalloproteinase-Inhibitor	1
Metal-Chelator (Copper)	3
Metal-Chelator	2
Memory-Enhancer	1
Memorigenic	2
MDR-Inhibitor	1
Mast-Cell-Stabilizer	1
MAO-Inhibitor	4
MAO-A-Inhibitor	2

Activity	Chemical Count
Lymphokinetic	1
Lymphocytogenic	1
Lyase-Inhibitor	1
Lubricant	3
Litholytic	1
Lithogenic	1
Lipoxygenase-Inhibitor	6
Lipotropic	2
Lipolytic	1
Lipase-Inhibitor	3
Leukotriene-Inhibitor	2
Leptingenic	1
Laxative	4
Larvostat	4
Larvicide	3
Keratolytic	2
Keratitogenic	1
Juvabional	4
JNK-Inhibitor	1
Irritant	10
Iodothyronine-Deiodinase-Inhibitor	1
Interleukin-6-Inhibitor	1
Interferonogenic	2
Interferon-Synergist	1
Insulinotonic	1
Insulinogenic	5
Insulinase-Inhibitor	1

Activity	Chemical Count
Insectiphile	4
Insectifuge	16
Insecticide	7
Inotropic	2
iNOS-Inhibitor	2
Immunosuppressant	1
Immunostimulant	12
Immunomodulator	10
Ileorelaxant	1
ICAM-1-Inhibitor	1
Hypouricemic	1
Hypothermic	3
Hypotensive	17
Hypolipidemic	5
Hypoglycemic	12
Hypocholesterolemic	16
Hypoarginanemic	1
Hypoammonemic	1
Hypnotic	4
Hypertensive	1
Hyperglycemic	1
Hypercholesterolemic	3
HIV-RT-Inhibitor	2
Histidine-Kinase-Inhibitor	1
Histaminic	1
Histamine-Inhibitor	2
Herpetifuge	1

Activity	Chemical Count
Herbistat	3
Herbicide-Safener	2
Herbicide	3
Hepatotropic	1
Hepatotoxic	2
Hepatotonic	1
Hepatoprotective	13
Hepatomagenic	1
Hepatocarcinogenic	2
Hemostatic	1
Hemostat	2
Hemorrhagic	1
Hemolytic	3
GST-Inducer	1
Gonadotrophic	1
Glutathionigenic	1
Glucosyl-Transferase-Inhibitor	1
Gastroprotective	2
GABA-nergic	1
Fungistat	4
Fungiphilic	1
Fungicide	32
FLavor	21
Flatulent	2
Fistula-Preventive	1
Fibrinolytic	1
FEMA	1

Activity	Chemical Count
Febrifuge	1
Fatal	1
Expectorant	5
Estrogenic	13
Estrogen-Agonist	3
Essential	8
Erythrocytogenic	1
Ergogenic	1
ER-Beta-Binder	1
Enterorelaxant	1
Enterocontractant	1
Energizer	1
Encephalopathic	1
Emetic	5
Embryotoxic	1
Dye	2
DOPA-Decarboxylase-Inhibitor	1
DNA-Protective	1
DNA-Binder	2
DNA-Active	1
DME-Inhibitor	1
Diuretic	14
Differentiator	1
Diaphoretic?	3
Diaphoretic	1
Diagnostic	1
Detoxicant (Alcohol)	1

Activity	Chemical Count
Detoxicant	4
Dermatitigenic	3
Depressant	1
Deodorant	1
Dentifrice	1
Deiodinase-Inhibitor	1
Cytotoxic	9
Cytoprotective	1
Cytochrome-P450-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-1A-Inhibitor	1
Cyclooxygenase-Inhibitor	3
Cyclooxygenase-Activator	2
Culicide	1
COX-2-Inhibitor	7
COX-1-Inhibitor	3
Counterirritant	1
Cosmetic	3
Coronary-Dilator	1
Copper-Chelator	2
Copper-Antagonist	1
Contraceptive	1
COMT-Inhibitor	1
COMP-Inhibitor	1
Comedolytic	2
Colorant	1
Collagenic	2

Activity	Chemical Count
Collagen-Sparing	2
Cold-preventive	1
Coagulant	1
Co-carcinogenic	1
CNS-Stimulant	2
CNS-Sedative	1
CNS-Paralytic	1
CNS-Depressant	6
CNS-Active	2
Clastogenic	2
Circulotonic	2
Cholinergic	1
Cholesterolytic	1
Choleretic	7
Cholagogue	2
Chemopreventive	7
Cerebrotonic	1
Catechol-O-Methyltransferase-Inhibitor	1
Catabolic	1
Caspase-8-Inducer	1
Carminative	3
Cardiotoxic	1
Cardiotonic	3
Cardioprotective	12
Cardiomyopathogenic	1
Cardiodepressant	2
Carcinogenic?	1

Activity	Chemical Count
Carcinogenic	8
Capillariprotective	1
Capillarigenic	2
Capillarifortificant	1
Candidistat	2
Candicide	9
Cancer-Preventive	43
cAMP-Phosphodiesterase-Inhibitor	2
cAMP-Inhibitor	1
Calmodulin-Antagonist	1
Calcium-Channel-Blocker	1
Calcium-Antagonist	9
Bruchiphobe	1
Bronchorelaxant	1
Bronchoprotectant	1
Bradycardiac	1
Beta-Glucuronidase-Inhibitor	1
Beta-Blocker	2
Beta-Adrenergic Receptor Blocker	1
Barbituate-Synergist	1
Bacteristat	2
Autotoxic	1
ATPase-Inhibitor	1
Astringent	1
Asthma-preventive	1
Ascaricide	1
Artemicide	1

Activity	Chemical Count
Aromatase-Inhibitor	4
Apoptotic	9
Apifuge	1
Aphrodisiac	1
AP-1-Inhibitor	1
Anxiolytic	8
Antixerophthalmic	1
Antiwrinkle	2
Antivirilgic	1
Antiviral?	1
Antiviral	17
Antivertigo	1
Antivaricose	1
Antivaginitic	2
Antivaccinia	1
Antiuremic	1
Antiulcerogenic	3
Antiulcer?	2
Antiulcer	15
Antitympanitic	1
Antitussive	1
Antitumor-Promoter	7
Antitumor (Stomach)	4
Antitumor (Skin)	3
Antitumor (Prostate)	6
Antitumor (Pancreas)	2
Antitumor (Ovary)	2

Activity	Chemical Count
Antitumor (Lung)	6
Antitumor (Liver)	1
Antitumor (Kidney)	1
Antitumor (GI)	3
Antitumor (Gastric)	1
Antitumor (Forestomach)	1
Antitumor (Esophagus)?	1
Antitumor (Colon)	4
Antitumor (CNS)	1
Antitumor (Cervix)	1
Antitumor (Breast)	6
Antitumor (brain)	1
Antitumor (Bladder)	2
Antitumor	19
Antitubercular	2
Antitrypanosomic	1
Antitriglyceride	2
Antitoxoplasmotic	1
AntiTNF	1
Antitinnitic	1
Antitic	1
Antithyroid	2
Antithromboxane	1
Antithrombogenic	1
Antithrombic	1
Antithiamin	2
Antitartar	1

Activity	Chemical Count
Antisyndrome-X	6
Antisunburn	2
Antistroke	3
Antistress	4
Antistreptococcic	2
Antistomatitic	3
Antisteatotic	1
Antistaphylococcic	5
Antispastic	1
Antispasmophilic	1
Antispasmodic	20
Antispare-Tire	1
Antisinusitic	1
Antisilicotic	1
Antisickling	2
Antishock	1
Antishingles	1
Antiserotonin	1
Antiseptic	19
Antiseborrheic	1
Antiscotomic	1
Antiscorbutic	1
Antiscoliotic	1
Antisalmonella	3
Antirhinitic	1
Antirheumatic	8
Antirheumatalgic	1

Activity	Chemical Count
Antiretinotic	2
Antiretinopathic	1
Antiretardation	1
AntiRaynaud's	3
Antiradicular	14
Antipyruvetic	1
Antipyretic	5
Antipurpuric	1
Antipsychotic	1
Antipsoriatic	1
Antipsoriac	5
Antipsittacotic	1
Antipruritic	1
Antiprostatitic	8
Antiprostataadenomic	3
Antiprostanoid	1
Antiprostaglandin	4
Antiproliferative	2
Antiproliferant	6
Antiprolactin	1
Antiprogestational	1
Antiporphyrin	1
Antipoliomyelitic	2
Antipolio	3
Antipodriac	2
Antipodagric	1
Antipneumonic	1

Activity	Chemical Count
AntiPMS	5
Antiplasmodial	2
Antiplateau	6
Antipityriasic	1
Antiphotophobic	2
Antiphenylketonuric	2
Antipharyngitic	1
Antiperoxidant	4
Antipermeability	1
Antiperistaltic	1
Antiperiodontitic	3
Antiperiodontic	2
Antiperiodontal	2
Antiperiodic	1
Antipeptic	2
Antipellagic	3
Antiparotitic	1
Antiparkinsonian	8
Antipapillomic	1
Antipancreatic	1
Antiozenic	1
Antioxidant?	2
Antioxidant	40
Antiototic	1
Antiotitic	2
Antiosteoporotic?	1
Antiosteoporotic	12

Activity	Chemical Count
Antiosteoarthritic	3
Antiorchitic	1
Antiophidic	2
Antionychyotic	2
Antionychogryphotic	1
Antionychomycotic	1
Antiodontalgic	1
Antiobesity	6
Antinyctalopic	1
Antinociceptive	5
Antinitrosic	1
Antinitrosating	1
Antinitrosaminic	4
AntiNF-kB	1
Antineurotic	1
Antineuropathic	3
Antineuroblastomic	1
Antineuritic	1
Antineurasthenic	1
Antineuramidase	1
Antineuralgic	3
Antinephrolytic	1
Antinephritic	1
Antimyocarditic	2
Antimycoplasmotic	1
Antimyalgic	1
Antimutagenic	18

Activity	Chemical Count
AntiMS	3
Antimononucleotic	1
Antimitral-valve-prolapse	1
Antimitotic	2
Antimitogenic	1
Antimite	1
Antimigraine	6
Antimicrobial	3
Antimetastatic (Stomach)	1
Antimetastatic	4
Antimenorrhagic	2
Antimenopausal	5
AntiMeniere's	1
Antimelanomic	6
Antimelanogenic	2
Antimeasles	1
Antimastitic	1
Antimastalgic	1
Antimanic	2
Antimange	1
Antimalarial	2
Antimaculitic	5
Antilymphomic	5
Antilymphocytic	1
Antilymphedemic	1
AntiLyme	5
Antilupus	1

Activity	Chemical Count
Antilithic	4
Antilipoperoxidant	2
Antilipedemic	1
Antileukotriene-D4	2
Antileukotriene-B4	1
Antileukotriene	5
Antileukoplakic	1
Antileukonychic	1
Antileukemic	9
Antileptic	2
Antileishmanic	2
AntiLegionella	2
Antiketotic	1
Antikeshan	1
Antikeratotic	1
Antikeratitic	1
Antiischemic	3
Antiinsomnic	1
Antiinsomniac	4
Antiinflammatory	25
Antiinfertility	4
Antiinfective	1
Antiinfarctal	1
Antiincontinence	1
Antiimpotence	2
Antiimplantation	2
Antiichthyotic	1

Activity	Chemical Count
Antiichthyosic	1
Antihypoglycemic	1
Antihyperthyroid	2
Antihypertensive	8
Antihyperlipoproteinaemic	1
Antihyperkinetic	2
Antihyperkeratotic	1
Antihypercholesterolemic	2
Antihyperammonemic	1
Antihyperactivity	1
Antihydrophobic	1
Antihydrocoele	1
Antihomocysteine	1
AntiHIV	6
Antihistaminic	10
Antiherpetic?	1
Antiherpetic	9
Antihepatotoxic	9
Antihepatotic	2
Antihepatoadenomic	1
Antihepatitic	2
Antihemorrhoidal	1
Antihemorrhagic	3
Antihemolytic	4
Antiheartburn	1
Antihangover	4
AntiGTF	1

Activity	Chemical Count
Antigranular	1
Antigout	1
Antigonadotropic	3
Antigonadotrophic	2
Antiglycosuric	1
Antiglutamaergic	1
Antiglossitic	1
Antiglaucomic	2
Antigingivitic	3
Antigenotoxic	2
Antigastrotic	1
Antigastritic	2
Antigastric	2
Antigallstone	1
Antifuruncular	1
Antiflu	5
Antifibrotic	3
Antifibrosarcomic	1
Antifibromyalgic	1
Antifibrinolytic	2
Antifertility	5
Antifeedant	11
Antifatigue	7
Antiestrogenic	5
Antiesophagitic	1
Antiesherichic	1
Antiescherichic	2

Activity	Chemical Count
Antiepileptic	5
Antienterotic	1
Antiendometriotic	2
Antiendocytotic	1
Antiencephalopathic?	1
Antiencephalopathic	6
Antiencephalitic	2
Antielastase	4
Antiedemic	9
Antieczemic	6
AntiEBV	1
Antidysphagic	1
Antidyspeptic	1
Antidysmenorrhic	1
Antidyskinetic	3
Antidysgeuzic	1
Antidote (Paraquat)	1
Antidote (Paracetamol)	1
Antidote (Morphine)	1
Antidote (Mercury)	1
Antidote (Lead)	3
Antidote (Camphor)	1
Antidote (Cadmium)	2
Antidote (Aluminum)	2
Antidote (Acetaminophen)	1
Antidiuretic	1
Antidiscotic	1

Activity	Chemical Count
Antidipsomaniac	2
Antidiabetic?	1
Antidiabetic	15
Antidermatotic	1
Antidermatitic	5
Antidepressant?	1
Antidepressant	9
Antidementia	7
Antideliriant	1
Antidecubitic	3
Antideafness	1
Antidandruff	4
Anticystitic	1
Anticystinuric	1
AntiCystic-Fibrosis	1
AntiCTS	1
AntiCrohn's	3
Anticoronary	5
Anticorneotic	1
Anticonvulsant	6
Anticomplementary	1
Anticolitic	3
Anticolic	1
Anticold	2
Anticoeliac	1
Anticlimacteric	5
Anticlastogen	1

Activity	Chemical Count
Anticirrhotic	2
Antichoreic	1
Antichilblain	1
Anticheilitic	2
AntiCFS	3
Anticervicaldysplasic	3
Anticephalagic	5
Anticataract	10
Anticarpal-Tunnel	1
Anticariogenic	4
Anticardiospasmic	1
Anticarcinomic (Breast)	2
Anticarcinomic	1
Anticarcinogenic	3
Anticapillary-Fragility	1
Anticanker	3
Anticancer (Skin)	1
Anticancer (Prostate)	1
Anticancer (Pancreas)	1
Anticancer (Lung)	1
Anticancer (Liver)	1
Anticancer (Kidney)	1
Anticancer (Forestomach)	1
Anticancer (Esophagus)?	1
Anticancer (Colon)	1
Anticancer (Cervix)	1
Anticancer (Breast)	2

Activity	Chemical Count
Anticancer	9
Antibrucellosis	1
AntiBPH	1
Antiberiberi	1
Antibacterial	27
Antibackache	1
Antiatherosclerotic	9
Antiatherogenic	1
Antiasthmatic	8
Antiasthenic	1
Antiarthritic	13
Antiartherosclerotic	3
Antiarrhythmic	5
Antiarachidonate	1
Antiarabiflavivotic	1
Antianxiety	3
Antianorexic	1
Antianorectic	2
Antiangiogenic	4
Antianginal	4
Antianemic	3
Antiandrogenic	5
Antianaphylactic	3
Antiambyopic	1
Antialzheimeran?	1
Antialzheimeran	7
Antialopepic	4

Activity	Chemical Count
Antiallergic	6
Antiallergenic	1
Antialkalotic	1
Antialkali?	1
Antialcoholic	7
Antiakathisis	1
Antiaging	6
Antiaggregant	10
AntiAGE	2
Antiaflatoxin	2
Antiadenoviral	1
Antiadenomic	2
AntiADD	1
Antiacrodynic	1
Antiacrodermatitic	1
Antiacne	7
Antiacetylcholinesterase	2
Anthelmintic	1
Anorexic	2
Angiotensin-Receptor-Blocker	3
Angiogenic	1
Anesthetic	7
Anemiagenic	1
Androgenic?	1
Androgenic	2
Anaphrodisiac	1
Analgesic	17

Activity	Chemical Count
Amphiglycemic?	1
Alpha-Reductase-Inhibitor	3
Allergenic	16
Allelopathic	1
Allelochemic	9
Aldose-Reductase-Inhibitor	16
Aldehyde-Oxidase-Inhibitor	1
Acidulant	2
AChE-Inhibitor	1
Acetylcholinergic	1
ACE-Inhibitor	3
Acaricide	5
Abortifacient	2
5-Lipoxygenase-Inhibitor	2
5-Alpha-Reductase-Inhibitor	6
17-beta-hydroxysteroid dehydrogenase-Inhibitor	1
11B-HSD-Inhibitor	2