

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in Brassica oleracea var. botrytis I.**

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Acaricide	1
Acarifuge	1
ACE-Inhibitor	2
Acidulant	2
Additive	1
Adjuvant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	11
Allelochemic	3
Allelopathic	3
Allergenic	12
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiestrogenic	1
Amphiglycemic?	1
Analgesic	12
Androgenic	2
Androgenic?	1
Anemiagenic	2
Anesthetic	2
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anhydrotic	1

Activity	Chemical Count
Anorexic	3
Anthelmintic	1
Antiacid	1
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	1
Antiadenoviral	1
Antiadrenalinic	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	10
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	8
Antialopepic	4
Antialzheimeran	6
Antiamblyopic	1
Antianaphylactic	2
Antiandrogenic	4
Antianemic	4
Antianginal	3

Activity	Chemical Count
Antiangiogenic	3
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiapoplectic	1
Antiarabiflavivotic	1
Antiarrhythmic	5
Antiarteriosclerotic	3
Antiartritic	14
Antiasthmatic	7
Antiatherogenic	2
Antiatherosclerotic	12
Antibackache	1
Antibacterial	20
Antiberiberi	1
AntiBPH	1
Anticalculic	1
Anticancer	9
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	3
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	4
Anticancer (Lung)	2
Anticancer (Skin)	3

Activity	Chemical Count
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	1
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	3
Anticervicaldysplasic	4
AntiCFS	3
Anticheilitic	3
Antichilblain	1
Anticirrhotic	1
Anticirrhotic?	1
Anticlastogen	2
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	1
Anticonvulsant	4
Anticorneotic	1
Anticoronary	5

Activity	Chemical Count
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	4
Antidecubitic	4
Antideliriant	1
Antidementia	7
Antidepressant	10
Antidepressant?	1
Antidermatitic	5
Antidermatotic	1
Antidiabetic	12
Antidiabetic?	1
Antidiscotic	1
Antidote	1
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	2
Antidysmenorrhic	2

Activity	Chemical Count
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	6
Antiedemic	8
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antienterotic	1
Antiepileptic	5
Antierhythmic	1
Antiescherichic	2
Antiestrogenic	4
Antifatigue	8
Antifeedant	8
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	3
Antifuruncular	1
Antigallstone	1
Antigastric	1
Antigastritic	3

Activity	Chemical Count
Antigastrotic	1
Antigenotoxic	1
Antigingivitic	3
Antiglaucomic	3
Antiglossitic	2
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	3
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	1
Antihalitotic	1
Antihangover	4
Antiheartburn	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	2
Antihemorrhoidal	1
Antihepatitic	2
Antihepatoadenomic	1
Antihepatocarcinogenic	1
Antihepatotic	1
Antihepatotoxic	10
Antiherpetic	10
Antiherpetic?	1
Antihistaminic	8

Activity	Chemical Count
AntiHIV	6
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	10
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1
Antiilus?	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	23
Antiinsomniac	4
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	1
Antikeratitic	1
Antikeshan	1



Activity	Chemical Count
AntiLegionella	2
Antileishmanic	2
Antileptic	2
Antileukemic	8
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antileukotriene-D4	4
Antilipoperoxidant	2
Antilithic	3
Antilupus	2
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	5
Antimalarial	2
Antimanic	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	4
Antimetastatic	6
Antimigraine	5

Activity	Chemical Count
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	3
Antimutagenic	16
Antimyalgic	1
Antimyelotoxic	1
Antimyocarditic	2
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	4
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	5
Antinitrosic	1
Antinociceptive	6
Antinyctalopic	1
Antiobesity	5
Antionychomycotic	1
Antionychyotic	1
Antiophidic	3
Antiorchitic	1

Activity	Chemical Count
Antiosteoarthritic	4
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxidant	31
Antioxidant Synergist	2
Antioxidant?	2
Antiozenic	1
Antipancreatitis	1
Antipapillomic	2
Antiparkinsonian	8
Antiparotitic	1
Antipellagic	3
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	6
Antiperoxyinitrite	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasis	1
Antiplateau	5
Antiplasmodial	1

Activity	Chemical Count
Antiplatelet	1
AntiPMS	5
Antipneumonic	1
Antipodagric	1
Antipodriac	2
Antipolio	2
Antipoliomyelitic	2
Antipolyneuritic	1
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	7
Antiprostaglandin	4
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatitic	7
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	2
Antipsoriac	4
Antipsychotic	2
Antipurpuric	2
Antipyretic	3
Antiradicular	12
AntiRaynaud's	3
Antirespirotic	1
Antiretardation	1

Activity	Chemical Count
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	8
Antirheumatitic?	1
Antirhinitic	2
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	4
Antiseptic	14
Antiserotonin	2
Antishingles	1
Antisickling	4
Antisilicotic	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	12
Antispasmophilic	1
AntiSpina-Bifida	1
Antistaphylococcic	3
Antistomatitic	2
Antistreptococcic	1
Antistress	4
Antistroke	3
Antisunburn	3
Antisyndrome-X	6
Antithiamin	2

Activity	Chemical Count
Antithrombic	2
Antithrombogenic	2
Antithyroid	5
Antititic	1
Antitinnitic	1
Antitriglyceride	2
Antitrypanosomic	2
Antitubercular	2
Antitumor	22
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	5
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Liver)	2
Antitumor (Lung)	6
Antitumor (Ovary)	1
Antitumor (Prostate)	4
Antitumor (Skin)	4
Antitumor (Stomach)	2
Antitumor-Promoter	8
Antitympanic	1
Antiulcer	16

Activity	Chemical Count
Antiulcerogenic	2
Antiuremic	1
Antivaccinia	1
Antivaginitic	1
Antivaricose	1
Antivertigo	1
Antiviral	10
Antiviral?	1
Antivittilic	1
Antixerophthalmic	1
Anxiolytic	7
AP-1-Inhibitor	1
Aphrodisiac	1
Apoptotic	7
Aromatase-Inhibitor	1
Artemicide	2
Arteriodilator	1
Ascaricide	1
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1

Activity	Chemical Count
Bruchiphobe	2
Calcium-Antagonist	3
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	42
Candidicide	4
Capillariprotective	2
Carcinogenic	6
Cardiac	1
Cardiomyopathogenic	1
Cardioprotective	11
Cardiotonic	1
Cardiotoxic	1
Caspase-8-Inducer	1
Catabolic	2
Chemopreventive	7
Cholagogue	3
Choleretic	11
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	4
CNS-Paralytic	1
CNS-Stimulant	1
Co-carcinogenic	1
Cold-preventive	1



Activity	Chemical Count
Coleoptophile	1
Collagen-Sparing	2
Collagenic	2
Colorant	4
Comedogenic	1
Comedolytic	2
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	1
Counterirritant	1
COX-1-Inhibitor	1
COX-2-Inhibitor	5
Cyclooxygenase-Activator	1
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	2
Cytotoxic	5
Decongestant	1
Deiodinase-Inhibitor	1
Deodorant	2
Depressant	1
Dermatitigenic	4
Detoxicant	3
Detoxicant (Alcohol)	1
Diaphoretic?	3

Activity	Chemical Count
Differentiator	1
Disinfectant	1
Diuretic	10
DNA-Active	1
DNA-Protective	2
Dye	3
Embryotoxic	1
Emetic	1
Encephalopathic	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	6
Estrogenic?	1
Expectorant	1
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	10
Fungicide	13
Fungistat	1
Gastroprotective	3
Genotoxic	1
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	1

Activity	Chemical Count
Gonadotrophic	1
Hematopoietic	1
Hemolytic	1
Hemopoietic	1
Hemostat	4
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	13
Hepatotonic	1
Hepatotoxic	2
Hepatotropic	2
Herbicide	3
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hydrocholerectic	1
Hypercholesterolemic	1
Hypertensive	3
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	1
Hypocalcemic	2
Hypocholesterolemic	17
Hypoglycemic	10
Hypolipidemic	4
Hypotensive	13
Hypouricemic	1

Activity	Chemical Count
ICAM-1-Inhibitor	1
Immunomodulator	9
Immunostimulant	10
Immunosuppressant	3
iNOS-Inhibitor	2
Inotropic	2
Insecticide	1
Insectifuge	10
Insectiphile	3
Insulin-Sparing	1
Insulinase-Inhibitor	1
Insulinogenic	4
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	6
JNK-Inhibitor	1
Juvabional	3
Keratolytic	2
Larvicide	2
Larvostat	3
Laxative	6
Laxative?	2
Leptingenic	1
Leukotriene-Inhibitor	2
Lipotropic	1

Activity	Chemical Count
Lipoxygenase-Inhibitor	8
Lithogenic	2
Litholytic	2
Lubricant	2
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	2
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Memorigenic	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mosquitocide	1
Mucogenic	2
Mucolytic	1
Mucotropic	1
Mutagenic	6
Mycobactericide	2
Myoprotective	1
Myorelaxant	2
NADH-Oxidase-Inhibitor	1
Narcotic	1
Natriuretic	1

Activity	Chemical Count
Nematicide	2
Nematiostat	1
NEP-Inhibitor	1
Nephrotoxic	2
Neuroexcitant	1
Neuroinhibitor	1
Neurolytic	1
Neuroprotective	3
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	4
NO-Genic	2
NO-Inhibitor	3
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5
Osteogenic	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	3
P450-Inducer	2
P450-Inhibitor	1
PAF-Inhibitor	2
Paralytic	1
Parasiticide	1
Percutaneostimulant	2
Perfumery	7

Activity	Chemical Count
Pesticide	32
PGE2-Inhibitor	1
Phagocytotic	3
Phospholipase-Inhibitor	1
Phytoalexin	1
Phytohormone	1
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Preservative	1
Previtamin-A	1
Prolactinogenic	1
Proliferant	1
Prooxidant	3
Propecic	5
Prostaglandigenic	4
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Protein-Kinase-C-Inhibitor	2
Protisticide	2
PTK-Inhibitor	1
Quinone-Reductase-Inducer	12
Radioprotective	1
Refrigerant	1
Renotoxic	1
Roborant	1
Rubefacient	1

Activity	Chemical Count
Scabicide	1
Schizophrenigenic	1
Sclerosant	1
Secretagogue	1
Sedative	4
Serotonergic	2
Sialogogue	1
Soap	1
Spermicide	1
Spermigenic	2
Spice	1
Sunscreen	5
Suppository	1
Surfactant	1
Sweetener	1
Teratogenic	1
Teratologic	2
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
Tineacide	1
TNF-alpha-Inhibitor	2
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Tranquilizer	2
Tremorigenic	1
Tremorilytic	1



Activity	Chemical Count
Trichomonicide	1
Tumor-Promoter	2
Tumorigenic	2
Tyrosinase-Inhibitor	4
Tyrosine-Kinase-Inhibitor	1
Ubiquitot	4
Ulcerogenic	3
Uricosuric	3
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	1
Varroacide	1
Vasodilator	11
Vasopressor	2
VEGF-Inhibitor	2
Vermifuge	1
Vitamin-A-Activity	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	3