

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in Brassica oleracea**

| Activity | Chemical Count |
|------------------------------|-----------------------|
| 11B-HSD-Inhibitor | 2 |
| 5-Alpha-Reductase-Inhibitor | 6 |
| 5-Lipoxygenase-Inhibitor | 2 |
| Acidulant | 2 |
| Adjuvant | 1 |
| Aldehyde-Oxidase-Inhibitor | 1 |
| Aldose-Reductase-Inhibitor | 4 |
| Allelochemic | 1 |
| Allergenic | 7 |
| Alpha-Amylase-Inhibitor | 1 |
| Alpha-Reductase-Inhibitor | 1 |
| Analgesic | 4 |
| Androgenic? | 1 |
| Anemiagenic | 2 |
| Anesthetic | 1 |
| Angiotensin-Receptor-Blocker | 3 |
| Antiacne | 4 |
| Antiacrodynic | 1 |

| Activity | Chemical Count |
|------------------|-----------------------|
| AntiADD | 1 |
| Antiaflatoxin | 2 |
| AntiAGE | 1 |
| Antiaggregant | 5 |
| Antiaging | 3 |
| Antiakathisic | 1 |
| Antialcoholic | 2 |
| Antialkalotic | 1 |
| Antiallergic | 6 |
| Antialopepic | 3 |
| Antialzheimeran | 4 |
| Antiamblyopic | 1 |
| Antianaphylactic | 2 |
| Antiandrogenic | 3 |
| Antianemic | 1 |
| Antianginal | 2 |
| Antiangiogenic | 1 |
| Antianorectic | 2 |
| Antianxiety | 3 |
| Antiaphthic | 1 |

| Activity | Chemical Count |
|-------------------------|-----------------------|
| Antiarabiflavinotic | 1 |
| Antiarrhythmic | 3 |
| Antiartherosclerotic | 2 |
| Antiarthritic | 7 |
| Antiasthmatic | 4 |
| Antiatherosclerotic | 6 |
| Antibackache | 1 |
| Antibacterial | 8 |
| Antiberiberi | 1 |
| Anticalculic | 1 |
| Anticancer | 3 |
| Anticanker | 2 |
| Anticarcinomic | 1 |
| Anticarcinomic (Breast) | 1 |
| Anticardiospasmic | 1 |
| Anticariogenic | 2 |
| Anticarpal-Tunnel | 1 |
| Anticataract | 6 |
| Anticephalagic | 3 |
| Anticervicaldysplasic | 3 |

| Activity | Chemical Count |
|-------------------|-----------------------|
| AntiCFS | 2 |
| Anticheilitic | 2 |
| Antichilblain | 1 |
| Anticlaudificant? | 1 |
| Anticlimacteric | 3 |
| Anticoagulant | 1 |
| Anticold | 1 |
| Anticolitic | 2 |
| Anticomplementary | 1 |
| Anticonvulsant | 2 |
| Anticoronary | 3 |
| AntiCrohn's | 2 |
| AntiCTS | 1 |
| Anticystitic | 1 |
| Antidecubitic | 3 |
| Antideliriant | 1 |
| Antidementia | 4 |
| Antidepressant | 7 |
| Antidermatitic | 4 |
| Antidiabetic | 5 |

| Activity | Chemical Count |
|--------------------------|-----------------------|
| Antidiabetic? | 1 |
| Antidote (Acetaminophen) | 1 |
| Antidote (Aluminum) | 2 |
| Antidote (Cadmium) | 1 |
| Antidote (Lead) | 2 |
| Antidote (Paracetamol) | 1 |
| Antidote (Paraquat) | 1 |
| Antidyskinetic | 1 |
| Antidysmenorrheic | 1 |
| Antidyspeptic | 1 |
| Antidysphagic | 1 |
| Antieczemic | 4 |
| Antiedemic | 1 |
| Antielastase | 1 |
| Antiencephalitic | 2 |
| Antiencephalopathic | 4 |
| Antiencephalopathic? | 1 |
| Antiendometriotic | 2 |
| Antienterotic | 1 |
| Antiepileptic | 2 |

| Activity | Chemical Count |
|-------------------|-----------------------|
| Antiescherichic | 1 |
| Antiestrogenic | 1 |
| Antifatigue | 5 |
| Antifeedant | 1 |
| Antifertility | 1 |
| Antifibrinolytic | 2 |
| Antifibromyalgic | 2 |
| Antifibrosarcomic | 1 |
| Antifibrotic | 1 |
| Antiflu | 1 |
| Antigallstone | 1 |
| Antigastric | 1 |
| Antigastritic | 2 |
| Antigastrotic | 1 |
| Antigingivitic | 2 |
| Antiglaucomic | 2 |
| Antiglossitic | 1 |
| Antigonadotropic | 1 |
| Antigranular | 1 |
| AntiGTF | 1 |

| Activity | Chemical Count |
|--------------------------|-----------------------|
| Antihangover | 3 |
| Antiheartburn | 1 |
| Antihemorrhagic | 1 |
| Antihepatitic | 2 |
| Antihepatocarcinogenic | 1 |
| Antihepatotic | 1 |
| Antihepatotoxic | 2 |
| Antiherpetic | 5 |
| Antihistaminic | 5 |
| AntiHIV | 1 |
| Antihomocystinuric | 1 |
| Antihydrophobic | 1 |
| Antihyperactivity | 1 |
| Antihypercholesterolemic | 1 |
| Antihyperkeratotic | 1 |
| Antihyperkinetic | 2 |
| Antihypertensive | 9 |
| Antihypoglycemic | 1 |
| Antiichthyotic | 1 |
| Antiileus? | 1 |

| Activity | Chemical Count |
|--------------------|-----------------------|
| Antiimplantation | 1 |
| Antiimpotence | 1 |
| Antiinfertility | 2 |
| Antiinflammatory | 8 |
| Antiinsomniac | 3 |
| Antiinsomniac? | 1 |
| Antiinsomnic | 1 |
| Antikeratitic | 1 |
| Antileishmanic | 2 |
| Antileptic | 1 |
| Antileukemic | 2 |
| Antileukoplakic | 1 |
| Antileukotriene | 1 |
| Antileukotriene-D4 | 4 |
| Antilipoperoxidant | 2 |
| Antilithic | 2 |
| Antilupus | 1 |
| AntiLyme | 5 |
| Antilymphocytic | 1 |
| Antimaculitic | 2 |

| Activity | Chemical Count |
|---------------------------|-----------------------|
| Antimalarial | 1 |
| Antimanic | 1 |
| Antimastalgic | 1 |
| Antimastitic | 1 |
| Antimeasles | 1 |
| Antimelanomic | 1 |
| AntiMeniere's | 1 |
| Antimenopausal | 4 |
| Antimenorrhagic | 3 |
| Antimetastatic | 2 |
| Antimigraine | 5 |
| Antimitral-valve-prolapse | 1 |
| AntiMS | 3 |
| Antimutagenic | 6 |
| Antimyocarditic | 2 |
| Antinephritic | 1 |
| Antinephrolytic | 1 |
| Antineuralgic | 2 |
| Antineuramidase | 1 |
| Antineurasthenic | 1 |

| Activity | Chemical Count |
|-----------------------|-----------------------|
| Antineuritic | 1 |
| Antineuropathic | 1 |
| Antineurotic | 1 |
| Antinitrosaminic | 1 |
| Antinitrosic | 1 |
| Antinociceptive | 1 |
| Antiobesity | 3 |
| Antiorchitic | 1 |
| Antiosteoarthritic | 1 |
| Antiosteoporotic | 4 |
| Antioxidant | 11 |
| Antioxidant Synergist | 2 |
| Antioxidant? | 2 |
| Antiozenic | 1 |
| Antipancreatic | 1 |
| Antipapillomic | 1 |
| Antiparkinsonian | 5 |
| Antiparotitic | 1 |
| Antipellagic | 3 |
| Antipeptic | 1 |

| Activity | Chemical Count |
|---------------------|-----------------------|
| Antiperiodontal | 1 |
| Antiperiodontic | 1 |
| Antiperiodontitic | 2 |
| Antiperistaltic | 1 |
| Antipermeability | 1 |
| Antiperoxidant | 1 |
| Antipharyngitic | 1 |
| Antiphenylketonuric | 1 |
| Antiphotophobic | 2 |
| Antipityriasic | 1 |
| Antiplateau | 3 |
| Antiplasmodial | 1 |
| AntiPMS | 4 |
| Antipneumonic | 1 |
| Antipodriac | 2 |
| Antipolio | 1 |
| Antipoliomyelitic | 2 |
| Antipolyneuritic | 1 |
| Antiporphyrin | 1 |
| Antiproliferant | 2 |

| Activity | Chemical Count |
|-------------------|-----------------------|
| Antiprostaglandin | 1 |
| Antiprostanoid | 1 |
| Antiprostatic | 3 |
| Antipsoriac | 3 |
| Antipsychotic | 1 |
| Antipyretic | 1 |
| Antiradicular | 4 |
| AntiRaynaud's | 3 |
| Antiretinopathic | 1 |
| Antiretinotic | 1 |
| Antirheumatic | 4 |
| Antirheumatitic? | 1 |
| Antirhinitic | 1 |
| Antisalmonella | 2 |
| Antiscoliotic | 1 |
| Antiscorbutic | 1 |
| Antiscotomic | 1 |
| Antiseborrheic | 2 |
| Antiseptic | 7 |
| Antiserotonin | 1 |

| Activity | Chemical Count |
|---------------------|-----------------------|
| Antishingles | 1 |
| Antisickling | 1 |
| Antispasmodic | 7 |
| Antispasmophilic | 1 |
| Antistaphylococcic | 1 |
| Antistreptococcic | 2 |
| Antistress | 4 |
| Antistroke | 2 |
| Antisyndrome-X | 2 |
| Antithiamin | 1 |
| Antithrombic | 1 |
| Antithyroid | 1 |
| Antitic | 1 |
| Antitrypanosomic | 1 |
| Antitubercular | 2 |
| Antitumor | 8 |
| Antitumor (Bladder) | 1 |
| Antitumor (Breast) | 2 |
| Antitumor (CNS) | 1 |
| Antitumor (Colon) | 2 |

| Activity | Chemical Count |
|----------------------|-----------------------|
| Antitumor (Gastric) | 1 |
| Antitumor (Lung) | 3 |
| Antitumor (Ovary) | 1 |
| Antitumor (Prostate) | 1 |
| Antitumor (Skin) | 1 |
| Antitumor (Stomach) | 1 |
| Antitumor-Promoter | 2 |
| Antiulcer | 7 |
| Antiuremic | 1 |
| Antivertigo | 1 |
| Antiviral | 3 |
| Antivertilgic | 1 |
| Antixerophthalmic | 1 |
| Anxiolytic | 4 |
| Aphrodisiac | 1 |
| Apoptotic | 3 |
| Aromatase-Inhibitor | 1 |
| Asthma-preventive | 1 |
| ATPase-Inhibitor | 1 |
| Bacteristat | 2 |

| Activity | Chemical Count |
|----------------------------------|----------------|
| Beta-Adrenergic Receptor Blocker | 1 |
| Beta-Blocker | 2 |
| Beta-Glucuronidase-Inhibitor | 1 |
| Bradycardiac | 1 |
| Bruchiphobe | 1 |
| Calcium-Antagonist | 2 |
| Calcium-Channel-Blocker | 1 |
| Calmodulin-Antagonist | 1 |
| cAMP-Phosphodiesterase-Inhibitor | 2 |
| Cancer-Preventive | 15 |
| Candidicide | 2 |
| Capillariprotective | 1 |
| Carcinogenic | 5 |
| Cardioprotective | 5 |
| Cardiotoxic | 1 |
| Catabolic | 1 |
| Chemopreventive | 1 |
| Choleretic | 3 |
| Circulotonic | 1 |
| CNS-Depressant | 2 |

| Activity | Chemical Count |
|-------------------------------|-----------------------|
| Cold-preventive | 1 |
| Collagenic | 1 |
| Colorant | 1 |
| Comedolytic | 1 |
| COMT-Inhibitor | 1 |
| Copper-Chelator | 2 |
| Cosmetic | 2 |
| COX-1-Inhibitor | 1 |
| COX-2-Inhibitor | 3 |
| Cyclooxygenase-Inhibitor | 2 |
| Cytochrome-P450-1A2-Inhibitor | 1 |
| Cytotoxic | 2 |
| Deiodinase-Inhibitor | 1 |
| Dermatitigenic | 2 |
| Detoxicant | 1 |
| Diaphoretic? | 2 |
| Differentiator | 1 |
| Disinfectant | 1 |
| Diuretic | 7 |
| Emetic | 1 |

| Activity | Chemical Count |
|--------------------------------|-----------------------|
| Encephalopathic | 1 |
| Essential | 8 |
| Estrogenic | 2 |
| Fibrinolytic | 1 |
| Fistula-Preventive | 1 |
| FLavor | 13 |
| Fungicide | 2 |
| Gastroprotective | 1 |
| Glucosyl-Transferase-Inhibitor | 1 |
| Glutathionigenic | 1 |
| Hemolytic | 1 |
| Hemopoietic | 1 |
| Hemostat | 2 |
| Hepatomagenic | 1 |
| Hepatoprotective | 5 |
| Hepatotoxic | 1 |
| HIV-RT-Inhibitor | 2 |
| Hypercholesterolemic | 2 |
| Hypertensive | 1 |
| Hypnotic | 1 |

| Activity | Chemical Count |
|----------------------|-----------------------|
| Hypoammonemic | 1 |
| Hypoarginanemic | 1 |
| Hypocholesterolemic | 9 |
| Hypoglycemic | 4 |
| Hypolipidemic | 1 |
| Hypotensive | 8 |
| Hypouricemic | 1 |
| ICAM-1-Inhibitor | 1 |
| Immunomodulator | 3 |
| Immunostimulant | 5 |
| iNOS-Inhibitor | 2 |
| Inotropic | 2 |
| Insecticide | 1 |
| Insectifuge | 5 |
| Insectiphile | 1 |
| Insulinase-Inhibitor | 1 |
| Insulinogenic | 2 |
| Insulinotonic | 1 |
| Interferon-Synergist | 1 |
| Interferonogenic | 1 |

| Activity | Chemical Count |
|------------------------------------|-----------------------|
| Iodothyronine-Deiodinase-Inhibitor | 1 |
| Irritant | 5 |
| JNK-Inhibitor | 1 |
| Juvabional | 2 |
| Larvicide | 1 |
| Larvostat | 1 |
| Laxative | 3 |
| Laxative? | 2 |
| Lipotropic | 1 |
| Lipoxygenase-Inhibitor | 2 |
| Lithogenic | 1 |
| Litholytic | 2 |
| Lubricant | 3 |
| Lymphocytogenic | 1 |
| MAO-A-Inhibitor | 1 |
| MAO-Inhibitor | 1 |
| Mast-Cell-Stabilizer | 1 |
| Metal-Chelator (Copper) | 1 |
| Metalloproteinase-Inhibitor | 1 |
| Metastatic | 1 |

| Activity | Chemical Count |
|------------------------|----------------|
| MMP-9-Inhibitor | 1 |
| Monoamine-Precursor | 2 |
| Motor-Depressant | 1 |
| Mucogenic | 1 |
| Mucolytic | 1 |
| Mutagenic | 2 |
| Mycobactericide | 2 |
| Myorelaxant | 1 |
| NADH-Oxidase-Inhibitor | 1 |
| Narcotic | 1 |
| Natriuretic | 1 |
| Nematicide | 5 |
| NEP-Inhibitor | 1 |
| Neuroprotective | 3 |
| Neurotransmitter | 1 |
| NF-kB-Inhibitor | 1 |
| NO-Genic | 1 |
| NO-Inhibitor | 2 |
| NO-Synthase-Inhibitor | 1 |
| Odontolytic | 1 |

| Activity | Chemical Count |
|-----------------------------------|-----------------------|
| Ornithine-Decarboxylase-Inhibitor | 1 |
| Osteogenic | 1 |
| Oxidant | 1 |
| P450-Inducer | 1 |
| P450-Inhibitor | 1 |
| PAF-Inhibitor | 1 |
| Percutaneostimulant | 2 |
| Perfumery | 6 |
| Pesticide | 10 |
| PGE2-Inhibitor | 1 |
| Phagocytotic | 1 |
| Phospholipase-Inhibitor | 1 |
| Pituitary-Stimulant | 1 |
| Plasmodicide | 1 |
| Prolactinogenic | 1 |
| Proliferant | 1 |
| Prooxidant | 2 |
| Propepic | 5 |
| Prostaglandin-Synthesis-Inhibitor | 2 |
| Protein-Kinase-C-Inhibitor | 1 |

| Activity | Chemical Count |
|----------------------------|-----------------------|
| Protisticide | 1 |
| PTK-Inhibitor | 1 |
| Quinone-Reductase-Inducer | 4 |
| Refrigerant | 1 |
| Sedative | 3 |
| Serotoninerpic | 2 |
| Sialogogue | 1 |
| Soap | 2 |
| Spermigenic | 1 |
| Suppository | 1 |
| Teratologic | 2 |
| Termiticide | 1 |
| Thymoprotective | 1 |
| TNF-alpha-Inhibitor | 2 |
| Topoisomerase-I-Inhibitor | 2 |
| Topoisomerase-II-Inhibitor | 2 |
| Tranquilizer | 2 |
| Tremorigenic | 1 |
| Tumor-Promoter | 1 |
| Tumorigenic | 2 |

| Activity | Chemical Count |
|----------------------------|-----------------------|
| Tyrosinase-Inhibitor | 3 |
| Tyrosine-Kinase-Inhibitor | 1 |
| Ubiquiot | 1 |
| Uricosuric | 1 |
| Urinary-Acidulant | 1 |
| Urine-Acidifier | 1 |
| Urine-Deodorant | 1 |
| Uterorelaxant | 1 |
| Uterotrophic | 1 |
| Vasodilator | 10 |
| VEGF-Inhibitor | 1 |
| Vulnerary | 1 |
| Xanthine-Oxidase-Inhibitor | 1 |