

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Frangula purshiana

| Activity | Chemical Count |
|------------------------------|----------------|
| 5-Alpha-Reductase-Inhibitor | 1 |
| ACE-Inhibitor | 1 |
| Acidulant | 1 |
| AGEs-Inhibitor | 1 |
| Aldose-Reductase-Inhibitor | 3 |
| Allelopathic | 1 |
| Allergenic | 4 |
| Allergenic? | 1 |
| Amphiglycemic? | 1 |
| Analgesic | 4 |
| Androgenic? | 1 |
| Angiotensin-Receptor-Blocker | 3 |
| Anorexic | 1 |
| Anthelmintic | 1 |
| Antiacne | 6 |
| Antiacrodermatitic | 1 |
| Antiacrodynic | 1 |
| AntiAGE | 2 |
| Antiaggregant | 4 |
| Antiaging | 3 |
| Antiakathisic | 1 |
| Antialcoholic | 4 |
| Antiallergic | 3 |
| Antialopepic | 2 |
| Antialzheimeran | 4 |
| Antiamblyopic | 1 |
| Antianacarditic | 1 |

| Activity | Chemical Count |
|------------------------|----------------|
| Antianaphylactic | 1 |
| Antiandrogenic | 1 |
| Antianemic | 2 |
| Antianginal | 2 |
| Antiangiogenic | 3 |
| Antianorectic | 2 |
| Antianorexic | 1 |
| Antianxiety | 2 |
| Antiarabiflavivotic | 1 |
| Antiarrhythmic | 3 |
| Antiartherosclerotic | 2 |
| Antiarthritic | 8 |
| Antiasthmatic | 4 |
| Antiatherosclerotic | 6 |
| Antibackache | 1 |
| Antibacterial | 9 |
| Antiberiberi | 1 |
| AntiBPH | 1 |
| Anticancer | 2 |
| Anticanker | 3 |
| Anticarcinomic | 1 |
| Anticardiospasmic | 1 |
| Anticariogenic | 2 |
| Anticarpal-Tunnel | 1 |
| Anticataract | 6 |
| Anticephalagic | 2 |
| Anticervicaldysplastic | 3 |

| Activity | Chemical Count |
|---------------------|----------------|
| AntiCFS | 3 |
| Anticheilitic | 2 |
| Antichilblain | 1 |
| Anticirrhotic | 1 |
| Anticlimacteric | 4 |
| Anticoeliac | 1 |
| Anticold | 2 |
| Anticolitic | 3 |
| Anticonvulsant | 2 |
| Anticorneotic | 1 |
| Anticoronary | 5 |
| AntiCrohn's | 2 |
| AntiCTS | 1 |
| Anticytomegalovirus | 1 |
| Antidandruff | 2 |
| Antidecubitic | 4 |
| Antideliriant | 1 |
| Antidementia | 4 |
| Antidepressant | 5 |
| Antidermatitic | 1 |
| Antidermatotic | 1 |
| Antidiabetic | 7 |
| Antidiarrheic | 2 |
| Antidiscotic | 1 |
| Antidote | 1 |
| Antidote (Aluminum) | 2 |
| Antidote (Cadmium) | 2 |

| Activity | Chemical Count |
|---------------------|----------------|
| Antidote (Lead) | 3 |
| Antidote (Mercury) | 1 |
| Antidote (Paraquat) | 1 |
| Antidysenteric | 2 |
| Antidysgeuzic | 1 |
| Antidyskinetic | 1 |
| Antidysmenorrhic | 1 |
| Antidyspeptic | 1 |
| Antidysphagic | 1 |
| Antieczemic | 3 |
| Antiedemic | 1 |
| Antiencephalitic | 2 |
| Antiencephalopathic | 2 |
| Antiendometriotic | 2 |
| Antienteritic | 1 |
| Antienterotic | 1 |
| Antiepileptic | 4 |
| Antifatigue | 5 |
| Antifeedant | 2 |
| Antifertility | 1 |
| Antifibrinolytic | 1 |
| Antifibromyalgic | 2 |
| Antifibrotic | 3 |
| Antifuruncular | 1 |
| Antigallstone | 1 |
| Antigargantitic | 1 |
| Antigastritic | 2 |

| Activity | Chemical Count |
|--------------------|----------------|
| Antigastrotic | 1 |
| Antigingivitic | 2 |
| Antiglaucomic | 2 |
| Antiglossitic | 1 |
| Antiglycosuric | 1 |
| Antigout | 1 |
| Antigranular | 1 |
| Antihangover | 4 |
| Antiheartburn | 1 |
| Antihemorrhagic | 1 |
| Antihemorrhoidal | 1 |
| Antihepatic | 1 |
| Antihepatotoxic | 2 |
| Antiherpetic | 5 |
| Antiherpetic? | 1 |
| Antihistaminic | 4 |
| AntiHIV | 4 |
| Antihyperactivity | 1 |
| Antihyperkeratotic | 1 |
| Antihyperkinetic | 2 |
| Antihypertensive | 6 |
| Antihypoglycemic | 1 |
| Antiichthyotic | 1 |
| Antiimpotence | 1 |
| Antiinfective | 1 |
| Antiinfertility | 2 |
| Antiinflammatory | 4 |

| Activity | Chemical Count |
|---------------------------|----------------|
| Antiinsomniac | 3 |
| Antiinsomnic | 1 |
| Antikeratitic | 1 |
| Antikeshan | 1 |
| Antileptic | 2 |
| Antileukemic | 3 |
| Antileukonychic | 1 |
| Antileukoplakic | 1 |
| Antileukotriene | 1 |
| Antileukotriene-D4 | 1 |
| Antilipolytic | 1 |
| Antilipoperoxidant | 1 |
| Antilithic | 3 |
| Antilupus | 1 |
| AntiLyme | 5 |
| Antilymphomic | 2 |
| Antimaculitic | 4 |
| Antimastalgic | 1 |
| Antimastitic | 1 |
| Antimeasles | 1 |
| Antimelanomic | 1 |
| AntiMeniere's | 1 |
| Antimenopausal | 4 |
| Antimenorrhagic | 2 |
| Antimetastatic | 2 |
| Antimigraine | 4 |
| Antimitral-valve-prolapse | 1 |

| Activity | Chemical Count |
|-----------------------|----------------|
| AntiMRSA | 1 |
| AntiMS | 2 |
| Antimutagenic | 5 |
| Antimyalgic | 1 |
| Antimyocarditic | 1 |
| Antineoplastic | 1 |
| Antinephritic | 1 |
| Antinephrolytic | 1 |
| Antineuralgic | 2 |
| Antineuramidase | 1 |
| Antineurasthenic | 1 |
| Antineuritic | 1 |
| Antineuropathic | 2 |
| Antineurotic | 1 |
| AntiNF-kB | 1 |
| Antinitrosaminic | 1 |
| Antinitrosic | 1 |
| Antinyctalopic | 1 |
| Antiobesity | 6 |
| Antionychoytic | 1 |
| Antiophidic | 2 |
| Antiorchitic | 1 |
| Antiosteoarthritic | 2 |
| Antiosteoporotic | 7 |
| Antiototic | 1 |
| Antioxidant | 9 |
| Antioxidant Synergist | 1 |

| Activity | Chemical Count |
|-------------------|----------------|
| Antiozenic | 1 |
| Antipapillomic | 1 |
| Antiparkinsonian | 3 |
| Antiparotitic | 1 |
| Antipellagic | 2 |
| Antiperiodontitic | 3 |
| Antiperoxidant | 1 |
| Antipharyngitic | 1 |
| Antiphotophobic | 2 |
| Antipityriasic | 1 |
| Antiplateque | 3 |
| AntiPMS | 4 |
| Antipneumonic | 1 |
| Antipodriac | 1 |
| Antipolio | 1 |
| Antipoliomyelitic | 2 |
| Antiporphyric | 1 |
| Antiprolactin | 1 |
| Antiproliferant | 3 |
| Antiprostatic | 2 |
| Antipsoriac | 1 |
| Antipyretic | 1 |
| Antiradicular | 5 |
| AntiRaynaud's | 3 |
| Antirenitic | 1 |
| Antiretinopathic | 1 |
| Antiretinotic | 1 |

| Activity | Chemical Count |
|--------------------|----------------|
| Antirheumatic | 5 |
| Antirhinitic | 2 |
| Antisalmonella | 1 |
| Antisarcotic | 1 |
| Antiscorbutic | 1 |
| Antiscotomic | 1 |
| Antiseborrheic | 1 |
| Antiseptic | 8 |
| Antishingles | 1 |
| Antisilicotic | 1 |
| Antispare-Tire | 1 |
| Antispasmodic | 6 |
| Antispasmophilic | 1 |
| Antispermatogenic | 1 |
| Antisprout | 1 |
| Antistaphylococcic | 1 |
| Antistomatitic | 2 |
| Antistress | 4 |
| Antistroke | 2 |
| Antisyndrome-X | 6 |
| Antitic | 1 |
| Antitinnitic | 1 |
| Antitonsilitic | 1 |
| Antitriglyceride | 2 |
| Antitubercular | 2 |
| Antitumor | 6 |
| Antitumor (brain) | 1 |

| Activity | Chemical Count |
|---|----------------|
| Antitumor (Breast) | 3 |
| Antitumor (CNS) | 1 |
| Antitumor (Colon) | 1 |
| Antitumor (Gastric) | 1 |
| Antitumor (Lung) | 3 |
| Antitumor (Prostate) | 2 |
| Antitumor (Stomach) | 1 |
| Antitumor-Promoter | 1 |
| Antiulcer | 7 |
| Antiulcerogenic | 1 |
| Antivaginitic | 2 |
| Antivertigo | 1 |
| Antiviral | 6 |
| Antiviral? | 1 |
| Antixerophthalmic | 1 |
| Anxiolytic | 5 |
| AP-1-Inhibitor | 1 |
| Apoptotic | 2 |
| Arylamine-N-Acetyltransferase-Inhibitor | 1 |
| Asthma-preventive | 1 |
| Astringent | 2 |
| Bacteristat | 1 |
| Beta-Adrenergic Receptor Blocker | 1 |
| Beta-Blocker | 2 |
| Beta-Glucuronidase-Inhibitor | 1 |
| Bird-Repellent | 1 |
| Bruchiphobe | 1 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Calcium-Antagonist | 7 |
| Calcium-Channel-Blocker | 1 |
| Cancer-Preventive | 9 |
| Candidicide | 3 |
| Carcinogenic | 3 |
| Cardiomyopathogenic | 1 |
| Cardioprotective | 8 |
| Cardiotoxic | 1 |
| Cathartic | 7 |
| Chelator | 1 |
| Chemopreventive | 1 |
| Cholagogue | 1 |
| Circulotonic | 1 |
| CNS-Depressant | 2 |
| Cold-preventive | 1 |
| Collagenase-Inhibitor | 1 |
| Collagenic | 2 |
| Colorant | 1 |
| Comedolytic | 1 |
| Copper-Antagonist | 1 |
| Cosmetic | 1 |
| COX-1-Inhibitor | 1 |
| COX-2-Inhibitor | 2 |
| Cyclooxygenase-Inhibitor | 1 |
| Cytotoxic | 3 |
| Deodorant | 1 |
| Depressant | 1 |

| Activity | Chemical Count |
|--------------------------------|----------------|
| Detoxicant | 2 |
| Detoxicant (Alcohol) | 1 |
| Differentiator | 1 |
| Diuretic | 5 |
| Emetic | 1 |
| Encephalopathic | 1 |
| Energizer | 1 |
| Ergogenic | 1 |
| Erythrocytogenic | 1 |
| Estrogenic | 2 |
| Fibrinolytic | 1 |
| Fistula-Preventive | 1 |
| FLavor | 1 |
| Fungicide | 4 |
| Gastroprotective | 1 |
| Genotoxic | 2 |
| Glucosyl-Transferase-Inhibitor | 1 |
| Gonadotropic | 1 |
| Hemopoietic | 1 |
| Hemostat | 2 |
| Hepatoprotective | 3 |
| Hepatotoxic | 2 |
| Hypercholesterolemic | 1 |
| Hypertensive | 1 |
| Hypocholesterolemic | 7 |
| Hypoglycemic | 4 |
| Hypolipidemic | 2 |

| Activity | Chemical Count |
|------------------------|----------------|
| Hypotensive | 7 |
| Hypothermic | 1 |
| Hypouricemic | 1 |
| Immunomodulator | 6 |
| Immunostimulant | 7 |
| Immunosuppressant | 3 |
| iNOS-Inhibitor | 1 |
| Insectifuge | 2 |
| Insulinogenic | 3 |
| Interferon-Synergist | 1 |
| Interferonogenic | 1 |
| Keratitogenic | 1 |
| Laxative | 7 |
| Laxative? | 1 |
| Leptogenic | 1 |
| Leucocytogenic | 1 |
| Lipoxygenase-Inhibitor | 1 |
| Lithogenic | 1 |
| Litholytic | 2 |
| Lubricant | 1 |
| MAO-Inhibitor | 1 |
| Memorigenic | 1 |
| Metastatic | 1 |
| MMP-2-Inhibitor | 1 |
| MMP-7-Inhibitor | 1 |
| MMP-9-Inhibitor | 1 |
| Mucogenic | 2 |

| Activity | Chemical Count |
|-----------------------------------|----------------|
| Mucolytic | 1 |
| Mutagenic | 2 |
| Mycobactericide | 1 |
| Myorelaxant | 1 |
| Nematicide | 2 |
| Neuroprotective | 1 |
| Neurotransmitter | 1 |
| NF-kB-Inhibitor | 2 |
| NO-Inhibitor | 1 |
| Occuloirritant | 1 |
| Ornithine-Decarboxylase-Inhibitor | 2 |
| Osteogenic | 1 |
| Peristaltic | 1 |
| Pesticide | 17 |
| PGE2-Inhibitor | 1 |
| Phagocytotic | 1 |
| Pigment | 1 |
| Polyamine-Synthesis-Inhibitor | 1 |
| Prooxidant | 2 |
| Propepic | 1 |
| Prostaglandin-Sparer | 1 |
| Prostaglandin-Synthesis-Inhibitor | 1 |
| Protein-Kinase-C-Inhibitor | 2 |
| Psychotropic | 1 |
| PTK-Inhibitor | 1 |
| Purgative | 6 |
| Sedative | 1 |

| Activity | Chemical Count |
|----------------------------|----------------|
| Serotonergic | 1 |
| Sialogogue | 1 |
| Spermigenic | 1 |
| Styptic | 1 |
| Taenicide | 1 |
| Termitifuge | 2 |
| Testosteronigenic | 1 |
| Thymoprotective | 1 |
| Topoisomerase-II-Inhibitor | 2 |
| Toxic | 1 |
| Tranquilizer | 2 |
| Trichomonicide | 2 |
| Tuberculostatic | 1 |
| Tyrosine-Kinase-Inhibitor | 1 |
| Ubiquiot | 2 |
| Uricosuric | 2 |
| Urinary-Acidulant | 1 |
| Uterorelaxant | 1 |
| Vasodilator | 7 |
| Vasorelaxant | 1 |
| VEGF-Inhibitor | 1 |
| Vulnerary | 2 |
| Xanthine-Oxidase-Inhibitor | 1 |