

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in *Bupleurum chinense***

| <b>Activity</b>              | <b>Chemical Count</b> |
|------------------------------|-----------------------|
| 5-Alpha-Reductase-Inhibitor  | 2                     |
| ACE-Inhibitor                | 1                     |
| Acidulant                    | 1                     |
| ACTH-genic                   | 2                     |
| Aldose-Reductase-Inhibitor   | 1                     |
| Allergenic                   | 3                     |
| Alpha-Reductase-Inhibitor    | 1                     |
| Amphiglycemic?               | 1                     |
| Analgesic                    | 4                     |
| Androgenic?                  | 1                     |
| Anemiagenic                  | 1                     |
| Angiotensin-Receptor-Blocker | 2                     |
| Anorexic                     | 2                     |
| Antiacne                     | 5                     |
| Antiacrodermatitic           | 1                     |
| Antiacrodynic                | 1                     |
| AntiAGE                      | 2                     |
| Antiaggregant                | 4                     |

| <b>Activity</b>      | <b>Chemical Count</b> |
|----------------------|-----------------------|
| Antiaging            | 3                     |
| Antiakathisic        | 1                     |
| Antialcoholic        | 3                     |
| Antiallergic         | 3                     |
| Antialopecic         | 3                     |
| Antialzheimeran      | 3                     |
| Antiamblyopic        | 1                     |
| Antianaphylactic     | 1                     |
| Antiandrogenic       | 2                     |
| Antianemic           | 3                     |
| Antianginal          | 2                     |
| Antiangiogenic       | 2                     |
| Antianorectic        | 1                     |
| Antianorexic         | 1                     |
| Antianxiety          | 2                     |
| Antiarabiflavinotic  | 1                     |
| Antiarrhythmic       | 3                     |
| Antiarteriosclerotic | 2                     |
| Antiarthritic        | 9                     |
| Antiasthmatic        | 4                     |

| <b>Activity</b>       | <b>Chemical Count</b> |
|-----------------------|-----------------------|
| Antiatherosclerotic   | 5                     |
| Antibacterial         | 1                     |
| AntiBPH               | 1                     |
| Anticancer            | 1                     |
| Anticanker            | 2                     |
| Anticarcinomic        | 1                     |
| Anticarpal-Tunnel     | 1                     |
| Anticataract          | 5                     |
| Anticephalagic        | 2                     |
| Anticervicaldysplasic | 3                     |
| AntiCFS               | 3                     |
| Anticheilitic         | 2                     |
| Antichilblain         | 1                     |
| Anticirrhotic         | 1                     |
| Anticlimacteric       | 4                     |
| Anticoeliac           | 1                     |
| Anticold              | 2                     |
| Anticolitic           | 1                     |
| Anticonvulsant        | 2                     |
| Anticorneotic         | 1                     |

| <b>Activity</b>     | <b>Chemical Count</b> |
|---------------------|-----------------------|
| Anticoronary        | 5                     |
| AntiCrohn's         | 2                     |
| AntiCTS             | 1                     |
| Antidandruff        | 2                     |
| Antidecubitic       | 2                     |
| Antidementia        | 3                     |
| Antidepressant      | 5                     |
| Antidermatitic      | 1                     |
| Antidiabetic        | 7                     |
| Antidiscotic        | 1                     |
| Antidote (Aluminum) | 2                     |
| Antidote (Cadmium)  | 2                     |
| Antidote (Lead)     | 3                     |
| Antidote (Mercury)  | 1                     |
| Antidote (Paraquat) | 1                     |
| Antidysgeuzic       | 1                     |
| Antidyskinetic      | 1                     |
| Antidysmenorrheic   | 1                     |
| Antidysphagic       | 1                     |
| Antieczemic         | 3                     |

| <b>Activity</b>     | <b>Chemical Count</b> |
|---------------------|-----------------------|
| Antiedemic          | 1                     |
| Antiencephalitic    | 1                     |
| Antiencephalopathic | 1                     |
| Antiendometriotic   | 2                     |
| Antienterotic       | 1                     |
| Antiepileptic       | 4                     |
| Antifatigue         | 5                     |
| Antifibrinolytic    | 1                     |
| Antifibromyalgic    | 1                     |
| Antifibrotic        | 3                     |
| Antiflu             | 1                     |
| Antifuruncular      | 1                     |
| Antigallstone       | 1                     |
| Antigastritic       | 1                     |
| Antigastrotic       | 1                     |
| Antigingivitic      | 1                     |
| Antiglaucomic       | 2                     |
| Antiglossitic       | 1                     |
| Antiglycosuric      | 1                     |
| Antigout            | 1                     |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antigranular       | 1                     |
| Antihangover       | 3                     |
| Antihemorrhagic    | 1                     |
| Antihepatitic      | 1                     |
| Antihepatotoxic    | 2                     |
| Antiherpetic       | 1                     |
| Antiherpetic?      | 1                     |
| Antihistaminic     | 3                     |
| AntiHIV            | 2                     |
| Antihyperactivity  | 1                     |
| Antihyperkeratotic | 1                     |
| Antihyperkinetic   | 2                     |
| Antihypertensive   | 4                     |
| Antihypoglycemic   | 1                     |
| Antiichthyotic     | 1                     |
| Antiimpotence      | 1                     |
| Antiinfective      | 1                     |
| Antiinfertility    | 2                     |
| Antiinflammatory   | 9                     |
| Antiinsomniac      | 3                     |

| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antiinsomnic       | 1                     |
| Antikeratitic      | 1                     |
| Antikeshan         | 1                     |
| Antileptic         | 2                     |
| Antileukemic       | 1                     |
| Antileukonychic    | 1                     |
| Antileukoplakic    | 1                     |
| Antileukotriene    | 1                     |
| Antileukotriene-D4 | 2                     |
| Antilipoperoxidant | 1                     |
| Antilithic         | 2                     |
| Antilupus          | 1                     |
| AntiLyme           | 4                     |
| Antilymphomic      | 1                     |
| Antimaculitic      | 4                     |
| Antimastalgic      | 1                     |
| Antimastitic       | 1                     |
| Antimeasles        | 1                     |
| Antimelanomic      | 1                     |
| AntiMeniere's      | 1                     |

| <b>Activity</b>           | <b>Chemical Count</b> |
|---------------------------|-----------------------|
| Antimenopausal            | 4                     |
| Antimenorrhagic           | 2                     |
| Antimetastatic            | 2                     |
| Antimigraine              | 3                     |
| Antimitral-valve-prolapse | 1                     |
| AntiMS                    | 2                     |
| Antimutagenic             | 2                     |
| Antimyalgic               | 1                     |
| Antinephrolytic           | 1                     |
| Antineuralgic             | 1                     |
| Antineuramidase           | 1                     |
| Antineuropathic           | 1                     |
| Antineurotic              | 1                     |
| AntiNF-kB                 | 1                     |
| Antinitrosic              | 1                     |
| Antinociceptive           | 2                     |
| Antinyctalopic            | 1                     |
| Antiobesity               | 4                     |
| Antionychyotic            | 1                     |
| Antiophidic               | 1                     |



| <b>Activity</b>    | <b>Chemical Count</b> |
|--------------------|-----------------------|
| Antiorchitic       | 1                     |
| Antiosteoarthritic | 2                     |
| Antiosteoporotic   | 8                     |
| Antiototic         | 1                     |
| Antioxidant        | 6                     |
| Antiozenic         | 1                     |
| Antipapillomic     | 1                     |
| Antiparkinsonian   | 3                     |
| Antiparotitic      | 1                     |
| Antipellagic       | 2                     |
| Antiperiodontitic  | 3                     |
| Antiphotophobic    | 2                     |
| Antipityriasic     | 1                     |
| Antiplate          | 2                     |
| AntiPMS            | 4                     |
| Antipneumonic      | 1                     |
| Antipodriac        | 1                     |
| Antipoliomyelitic  | 1                     |
| Antiporphyrinic    | 1                     |
| Antiprolactin      | 1                     |

| <b>Activity</b>  | <b>Chemical Count</b> |
|------------------|-----------------------|
| Antiproliferant  | 2                     |
| Antiprostatitic  | 2                     |
| Antipsoriac      | 1                     |
| Antipyretic      | 3                     |
| Antiradicular    | 3                     |
| AntiRaynaud's    | 3                     |
| Antiretinopathic | 1                     |
| Antiretinotic    | 1                     |
| Antirheumatic    | 5                     |
| Antirhinitic     | 1                     |
| Antiscorbutic    | 1                     |
| Antiscotomic     | 1                     |
| Antiseptic       | 2                     |
| Antishingles     | 1                     |
| Antispare-Tire   | 1                     |
| Antispasmodic    | 4                     |
| Antispasmophilic | 1                     |
| Antistomatitic   | 1                     |
| Antistress       | 4                     |
| Antistroke       | 2                     |

| <b>Activity</b>      | <b>Chemical Count</b> |
|----------------------|-----------------------|
| Antisyndrome-X       | 6                     |
| Antitic              | 1                     |
| Antitinnitic         | 1                     |
| Antitriglyceride     | 2                     |
| Antitumor            | 2                     |
| Antitumor (brain)    | 1                     |
| Antitumor (Breast)   | 2                     |
| Antitumor (CNS)      | 1                     |
| Antitumor (Colon)    | 1                     |
| Antitumor (Gastric)  | 1                     |
| Antitumor (Lung)     | 3                     |
| Antitumor (Prostate) | 2                     |
| Antitumor (Stomach)  | 1                     |
| Antiulcer            | 3                     |
| Antiulcerogenic      | 1                     |
| Antivertigo          | 1                     |
| Antiviral            | 3                     |
| Antiviral?           | 1                     |
| Antixerophthalmic    | 1                     |
| Anxiolytic           | 5                     |

| <b>Activity</b>                  | <b>Chemical Count</b> |
|----------------------------------|-----------------------|
| AP-1-Inhibitor                   | 1                     |
| Apoptotic                        | 2                     |
| Artemicide                       | 1                     |
| Asthma-preventive                | 1                     |
| Astringent                       | 1                     |
| Beta-Adrenergic Receptor Blocker | 1                     |
| Beta-Blocker                     | 1                     |
| Beta-Glucuronidase-Inhibitor     | 1                     |
| Calcium-Antagonist               | 2                     |
| Calcium-Channel-Blocker          | 1                     |
| Cancer-Preventive                | 8                     |
| Carcinogenic                     | 1                     |
| Cardiomyopathogenic              | 1                     |
| Cardioprotective                 | 8                     |
| Cardiotoxic                      | 1                     |
| Chemopreventive                  | 1                     |
| Choleretic                       | 1                     |
| Circulotonic                     | 1                     |
| CNS-Depressant                   | 1                     |
| Cold-preventive                  | 1                     |

| <b>Activity</b>      | <b>Chemical Count</b> |
|----------------------|-----------------------|
| Collagenic           | 2                     |
| Colorant             | 1                     |
| Comedolytic          | 1                     |
| Contraceptive        | 1                     |
| Copper-Antagonist    | 1                     |
| Corticosterone-genic | 2                     |
| COX-1-Inhibitor      | 1                     |
| COX-2-Inhibitor      | 1                     |
| Deodorant            | 1                     |
| Depressant           | 1                     |
| Dermatitigenic       | 1                     |
| Detoxicant           | 1                     |
| Detoxicant (Alcohol) | 1                     |
| Diuretic             | 4                     |
| Energizer            | 1                     |
| Ergogenic            | 1                     |
| Erythrocytogenic     | 1                     |
| Estrogenic           | 1                     |
| Fibrinolytic         | 1                     |
| Fistula-Preventive   | 1                     |

| <b>Activity</b>      | <b>Chemical Count</b> |
|----------------------|-----------------------|
| FLavor               | 1                     |
| Fungicide            | 1                     |
| Gastroprotective     | 1                     |
| Hepatoprotective     | 2                     |
| Hepatotoxic          | 1                     |
| Hyperglycemic        | 2                     |
| Hypertensive         | 1                     |
| Hypocholesterolemic  | 9                     |
| Hypoglycemic         | 4                     |
| Hypolipidemic        | 1                     |
| Hypotensive          | 6                     |
| Immunomodulator      | 7                     |
| Immunostimulant      | 5                     |
| Immunosuppressant    | 1                     |
| Insectifuge          | 2                     |
| Insulinogenic        | 3                     |
| Interferon-Synergist | 1                     |
| Interferonogenic     | 1                     |
| Irritant             | 1                     |
| Laxative             | 2                     |

| <b>Activity</b>                   | <b>Chemical Count</b> |
|-----------------------------------|-----------------------|
| Leptingenic                       | 1                     |
| Lithogenic                        | 1                     |
| Litholytic                        | 1                     |
| Memorigenic                       | 1                     |
| Metastatic                        | 1                     |
| Mucogenic                         | 2                     |
| Mucolytic                         | 1                     |
| Myorelaxant                       | 1                     |
| Nematicide                        | 1                     |
| Nephroprotective                  | 1                     |
| Nephrotoxic                       | 1                     |
| Neurotransmitter                  | 1                     |
| NF-kB-Inhibitor                   | 2                     |
| Ornithine-Decarboxylase-Inhibitor | 1                     |
| Osteogenic                        | 1                     |
| Ovulant                           | 1                     |
| Percutaneostimulant               | 1                     |
| Perfumery                         | 1                     |
| Pesticide                         | 4                     |
| Phagocytotic                      | 1                     |

| <b>Activity</b>               | <b>Chemical Count</b> |
|-------------------------------|-----------------------|
| Polyamine-Synthesis-Inhibitor | 1                     |
| Prooxidant                    | 2                     |
| Propepic                      | 2                     |
| Prostaglandin-Sparer          | 1                     |
| Protein-Kinase-C-Inhibitor    | 1                     |
| Schizophrenigenic             | 1                     |
| Sedative                      | 3                     |
| Serotonnergic                 | 1                     |
| Spermigenic                   | 1                     |
| Testosteronigenic             | 1                     |
| Thymoprotective               | 1                     |
| Tranquilizer                  | 2                     |
| Trichomonicide                | 1                     |
| Ubiquiot                      | 1                     |
| Uricosuric                    | 1                     |
| Urinary-Acidulant             | 1                     |
| Uterorelaxant                 | 1                     |
| Vasodilator                   | 5                     |
| VEGF-Inhibitor                | 1                     |
| Vulnerary                     | 2                     |