

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Paeonia moutan***

| <b>Activity</b>              | <b>Chemical Count</b> |
|------------------------------|-----------------------|
| 11B-HSD-Inhibitor            | 2                     |
| 5-Lipoxygenase-Inhibitor     | 2                     |
| Absorbent                    | 1                     |
| ACE-Inhibitor                | 1                     |
| Aldehyde-Oxidase-Inhibitor   | 1                     |
| Aldose-Reductase-Inhibitor   | 2                     |
| Allelochemic                 | 1                     |
| Allergenic                   | 2                     |
| Analgesic                    | 3                     |
| Androgenic                   | 1                     |
| Anesthetic                   | 1                     |
| Angiogenic                   | 1                     |
| Angiotensin-Receptor-Blocker | 1                     |
| Anorexic                     | 2                     |
| Anthelmintic                 | 1                     |
| Antiacne                     | 1                     |
| Antiacrodermatitic           | 1                     |
| Antiadenomic                 | 1                     |
| Antiaflatoxin                | 2                     |
| Antiaggregant                | 6                     |
| Antiaging                    | 1                     |
| Antiakathisic                | 1                     |
| Antialcoholic                | 3                     |
| Antiallergic                 | 4                     |
| Antialopepic                 | 1                     |
| Antialzheimeran              | 2                     |
| Antianaphylactic             | 1                     |

| Activity                | Chemical Count |
|-------------------------|----------------|
| Antiandrogenic          | 1              |
| Antianemic              | 3              |
| Antianginal             | 1              |
| Antiangiogenic          | 2              |
| Antianorectic           | 1              |
| Antianorexic            | 1              |
| Antianxiety             | 2              |
| Antiarrhythmic          | 3              |
| Antiarthritic           | 6              |
| Antiasthmatic           | 2              |
| Antiatherosclerotic     | 3              |
| Antibacterial           | 6              |
| AntiBPH                 | 1              |
| Anticancer              | 2              |
| Anticancer (Breast)     | 1              |
| Anticancer (Cervix)     | 1              |
| Anticancer (Lung)       | 1              |
| Anticanker              | 2              |
| Anticarcinomic (Breast) | 1              |
| Anticariogenic          | 2              |
| Anticataract            | 2              |
| Anticephalagic          | 1              |
| AntiCFS                 | 1              |
| Anticheilitic           | 1              |
| Anticlimacteric         | 2              |
| Anticoagulant           | 1              |
| Anticoeliac             | 1              |

| Activity            | Chemical Count |
|---------------------|----------------|
| Anticold            | 1              |
| Anticolitic         | 2              |
| Anticomplementary   | 1              |
| Anticonvulsant      | 2              |
| Anticoronary        | 2              |
| AntiCrohn's         | 2              |
| Anticystitic        | 1              |
| Antidandruff        | 1              |
| Antidementia        | 1              |
| Antidepressant      | 4              |
| Antidermatitic      | 1              |
| Antidiabetic        | 5              |
| Antidiarrheic       | 1              |
| Antidiscotic        | 1              |
| Antidiuretic        | 1              |
| Antidote (Aluminum) | 1              |
| Antidote (Cadmium)  | 1              |
| Antidote (Iodine)   | 1              |
| Antidote (Lead)     | 1              |
| Antidysenteric      | 1              |
| Antidysgeuzic       | 1              |
| Antidyskinetic      | 1              |
| Antidysmenorrheic   | 1              |
| Antieczemic         | 1              |
| Antiedemic          | 1              |
| Antielastase        | 1              |
| Antiencephalitic    | 1              |

| Activity            | Chemical Count |
|---------------------|----------------|
| Antiencephalopathic | 1              |
| Antiendometriotic   | 1              |
| Antienterotic       | 1              |
| Antiepileptic       | 3              |
| Antiescherichic     | 1              |
| Antiestrogenic      | 2              |
| Antifatigue         | 3              |
| Antifeedant         | 2              |
| Antifertility       | 2              |
| Antifibromyalgic    | 1              |
| Antifibrosarcomic   | 1              |
| Antifibrotic        | 1              |
| Antiflu             | 1              |
| Antifuruncular      | 1              |
| Antigastric         | 1              |
| Antigastrotic       | 1              |
| Antigingivitic      | 1              |
| Antiglaucomic       | 1              |
| Antigonadotrophic   | 1              |
| Antigonadotropic    | 1              |
| AntiGTF             | 1              |
| Antihangover        | 1              |
| Antihepatotoxic     | 2              |
| Antiherpetic        | 2              |
| Antiherpetic?       | 1              |
| Antihistaminic      | 2              |
| AntiHIV             | 3              |

| Activity                  | Chemical Count |
|---------------------------|----------------|
| Antihydrophobic           | 1              |
| Antihyperkinetic          | 2              |
| Antihyperlipoproteinaemic | 1              |
| Antihypertensive          | 5              |
| Antihypoglycemic          | 1              |
| Antiimplantation          | 1              |
| Antiimpotence             | 1              |
| Antiinfective             | 1              |
| Antiinfertility           | 1              |
| Antiinflammatory          | 6              |
| Antiinsomniac             | 3              |
| Antileishmanic            | 1              |
| Antileptic                | 1              |
| Antileukemic              | 3              |
| Antileukonychic           | 1              |
| Antileukotriene           | 1              |
| Antilipolytic             | 1              |
| Antilipoperoxidant        | 1              |
| Antilithic                | 1              |
| AntiLyme                  | 1              |
| Antilymphocytic           | 1              |
| Antilymphomic             | 2              |
| Antimaculitic             | 1              |
| Antimalarial              | 1              |
| Antimastalgic             | 1              |
| Antimelanomic             | 1              |
| Antimenopausal            | 2              |

| Activity                  | Chemical Count |
|---------------------------|----------------|
| Antimenorrhagic           | 1              |
| Antimetastatic            | 2              |
| Antimigraine              | 1              |
| Antimitral-valve-prolapse | 1              |
| AntiMS                    | 1              |
| Antimutagenic             | 5              |
| Antimyocarditic           | 1              |
| Antinephritic             | 1              |
| Antinephrolytic           | 1              |
| Antinesidioblastic        | 1              |
| Antineuropathic           | 1              |
| Antineurotic              | 1              |
| Antinitrosaminic          | 1              |
| Antinociceptive           | 2              |
| Antinyctalopic            | 1              |
| Antiobesity               | 2              |
| Antiophidic               | 2              |
| Antiosteoporotic          | 5              |
| Antiotitic                | 1              |
| Antiototic                | 1              |
| Antioxidant               | 6              |
| Antioxytotic              | 1              |
| Antipaneuritic            | 1              |
| Antiperiodontal           | 1              |
| Antiperiodontic           | 1              |
| Antiperiodontitic         | 2              |
| Antiperistaltic           | 1              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Antipermeability     | 1              |
| Antiperoxidant       | 1              |
| Antipharyngitic      | 1              |
| Antiplateque         | 4              |
| Antiplasmodial       | 1              |
| AntiPMS              | 4              |
| Antipodriac          | 1              |
| Antipolio            | 1              |
| Antiprogestational   | 1              |
| Antiprolactin        | 1              |
| Antiproliferant      | 1              |
| Antiprostaglandin    | 1              |
| Antiprostanoid       | 1              |
| Antiprostataadenomic | 1              |
| Antiprostatitic      | 3              |
| Antipsoriac          | 1              |
| Antipyretic          | 2              |
| Antiradicular        | 3              |
| AntiRaynaud's        | 1              |
| Antirenitic          | 1              |
| Antiretinopathic     | 1              |
| Antirheumatic        | 2              |
| Antisalmonella       | 1              |
| Antisecretory        | 1              |
| Antiseptic           | 3              |
| Antiserotonin        | 1              |
| Antispare-Tire       | 1              |

| Activity            | Chemical Count |
|---------------------|----------------|
| Antispasmodic       | 5              |
| Antispasmophilic    | 1              |
| Antistaphylococcic  | 1              |
| Antistomatitic      | 1              |
| Antistreptococcic   | 1              |
| Antistress          | 2              |
| Antistroke          | 2              |
| Antisyndrome-X      | 3              |
| Antithiamin         | 1              |
| Antithrombic        | 1              |
| Antitic             | 1              |
| Antitinnitic        | 1              |
| Antitriglyceride    | 1              |
| Antitrypanosomic    | 1              |
| Antitumor           | 3              |
| Antitumor (Bladder) | 1              |
| Antitumor (Breast)  | 2              |
| Antitumor (Cervix)  | 1              |
| Antitumor (Colon)   | 1              |
| Antitumor (Lung)    | 2              |
| Antitumor (Ovary)   | 1              |
| Antitumor (Skin)    | 1              |
| Antitumor-Promoter  | 3              |
| Antiulcer           | 5              |
| Antiviral           | 4              |
| Antiviral?          | 1              |
| Antiyeast           | 1              |



| Activity                         | Chemical Count |
|----------------------------------|----------------|
| Anxiolytic                       | 3              |
| Apoptotic                        | 3              |
| Aromatase-Inhibitor              | 1              |
| Artemicide                       | 1              |
| Astringent                       | 1              |
| ATPase-Inhibitor                 | 1              |
| Bacteristat                      | 1              |
| Beta-Blocker                     | 1              |
| Bradycardiac                     | 1              |
| Calcium-Antagonist               | 1              |
| Calcium-Channel-Blocker          | 1              |
| Calmodulin-Antagonist            | 1              |
| cAMP-Phosphodiesterase-Inhibitor | 2              |
| Cancer-Preventive                | 4              |
| Candidicide                      | 2              |
| Capillariprotective              | 1              |
| Carcinogenic                     | 3              |
| Cardioprotective                 | 3              |
| Cardiotoxic                      | 1              |
| Caspase-8-Inducer                | 1              |
| Catabolic                        | 1              |
| Chelator                         | 1              |
| Choleretic                       | 2              |
| CNS-Depressant                   | 2              |
| Collagenic                       | 1              |
| COMT-Inhibitor                   | 1              |
| Contraceptive                    | 1              |

| Activity                       | Chemical Count |
|--------------------------------|----------------|
| Copper-Antagonist              | 1              |
| Copper-Chelator                | 2              |
| COX-2-Inhibitor                | 2              |
| Cyclooxygenase-Inhibitor       | 3              |
| Cytochrome-P450-1A2-Inhibitor  | 1              |
| Cytotoxic                      | 2              |
| Deiodinase-Inhibitor           | 1              |
| Deodorant                      | 1              |
| Detoxicant (Alcohol)           | 1              |
| Diaphoretic?                   | 2              |
| Differentiator                 | 1              |
| Diuretic                       | 4              |
| Emollient                      | 1              |
| Ergogenic                      | 1              |
| Estrogenic                     | 3              |
| Expectorant                    | 1              |
| Febrifuge                      | 1              |
| FLavor                         | 1              |
| Fungicide                      | 3              |
| Glucosyl-Transferase-Inhibitor | 2              |
| Gonadotrophic                  | 1              |
| Hemostat                       | 1              |
| Hepatomagenic                  | 1              |
| Hepatoprotective               | 4              |
| HIV-RT-Inhibitor               | 2              |
| Hypertensive                   | 1              |
| Hypocholesterolemic            | 5              |

| Activity                           | Chemical Count |
|------------------------------------|----------------|
| Hypoglycemic                       | 3              |
| Hypolipidemic                      | 1              |
| Hypotensive                        | 6              |
| Hypothermic                        | 1              |
| ICAM-1-Inhibitor                   | 1              |
| Immunomodulator                    | 3              |
| Immunostimulant                    | 2              |
| Immunosuppressant                  | 2              |
| iNOS-Inhibitor                     | 2              |
| Inotropic                          | 2              |
| Insectifuge                        | 1              |
| Insulinogenic                      | 3              |
| Iodothyronine-Deiodinase-Inhibitor | 1              |
| JNK-Inhibitor                      | 1              |
| Juvabional                         | 1              |
| Larvostat                          | 1              |
| Laxative                           | 2              |
| Leptogenic                         | 1              |
| Lipoxygenase-Inhibitor             | 3              |
| Litholytic                         | 1              |
| MAO-A-Inhibitor                    | 1              |
| MAO-Inhibitor                      | 2              |
| Mast-Cell-Stabilizer               | 1              |
| Metal-Chelator (Copper)            | 1              |
| Metalloproteinase-Inhibitor        | 1              |
| MMP-9-Inhibitor                    | 1              |
| Mucogenic                          | 1              |

| Activity                          | Chemical Count |
|-----------------------------------|----------------|
| Musculotropic                     | 1              |
| Mutagenic                         | 2              |
| Myorelaxant                       | 2              |
| NADH-Oxidase-Inhibitor            | 1              |
| Natriuretic                       | 1              |
| NEP-Inhibitor                     | 1              |
| Neuroprotective                   | 2              |
| Neurotransmitter                  | 1              |
| NF-kB-Inhibitor                   | 2              |
| NO-Inhibitor                      | 2              |
| NO-Synthase-Inhibitor             | 1              |
| Ornithine-Decarboxylase-Inhibitor | 2              |
| P450-Inducer                      | 1              |
| P450-Inhibitor                    | 1              |
| PAF-Inhibitor                     | 1              |
| Pesticide                         | 7              |
| PGE2-Inhibitor                    | 1              |
| Phospholipase-Inhibitor           | 1              |
| Phytoalexin                       | 1              |
| Plasmodicide                      | 1              |
| Poultice                          | 1              |
| Proliferant                       | 1              |
| Prooxidant                        | 1              |
| Prostaglandin-Synthesis-Inhibitor | 1              |
| Protein-Kinase-C-Inhibitor        | 1              |
| Protisticide                      | 1              |
| Psychotropic                      | 1              |

| Activity                   | Chemical Count |
|----------------------------|----------------|
| PTK-Inhibitor              | 1              |
| Quinone-Reductase-Inducer  | 2              |
| Schizophrenogenic          | 1              |
| Spermicide                 | 1              |
| Spermigenic                | 1              |
| Teratologic                | 2              |
| Testosteronigenic          | 1              |
| TNF-alpha-Inhibitor        | 2              |
| Topoisomerase-I-Inhibitor  | 2              |
| Topoisomerase-II-Inhibitor | 2              |
| Tranquilizer               | 2              |
| Trichomonicide             | 1              |
| Tumorigenic                | 1              |
| Tyrosinase-Inhibitor       | 3              |
| Tyrosine-Kinase-Inhibitor  | 1              |
| Ubiquitot                  | 1              |
| Ulcerogenic                | 1              |
| Uricosuric                 | 1              |
| Uterorelaxant              | 1              |
| Uterosedative              | 1              |
| Uterotrophic               | 1              |
| Vasodilator                | 6              |
| VEGF-Inhibitor             | 1              |
| Vulnerary                  | 2              |
| Xanthine-Oxidase-Inhibitor | 2              |