

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Cinchona pubescens

| Activity | Chemical Count |
|-----------------------------|-----------------------|
| 5-Alpha-Reductase-Inhibitor | 1 |
| 5-Lipoxygenase-Inhibitor | 1 |
| Abortifacient | 2 |
| ACE-Inhibitor | 1 |
| Aldose-Reductase-Inhibitor | 3 |
| Allelochemic | 2 |
| Allergenic | 6 |
| Alpha-Glucosidase-Inhibitor | 1 |
| Amebicide | 7 |
| Analgesic | 5 |
| Anesthetic | 1 |
| Antiadenoviral | 1 |
| Antiaggregant | 2 |
| Antiaging | 2 |
| Antianaphylactic | 1 |
| Antiarrhythmic | 2 |
| Antiasthmatic | 1 |
| Antiatherogenic | 1 |
| Antiatherosclerotic | 1 |
| Antibacterial | 9 |
| Anticancer | 2 |
| Anticancer (Colon) | 1 |
| Anticancer (Forestomach) | 1 |
| Anticancer (Liver) | 1 |
| Anticancer (Skin) | 1 |
| Anticapillary-Fragility | 1 |
| Anticarcinogenic | 2 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Anticholinergic | 1 |
| Anticlastogen | 1 |
| Antidepressant | 1 |
| Antidermatitic | 1 |
| Antidiabetic | 2 |
| Antidysenteric | 1 |
| AntiEBV | 2 |
| Antiedemic | 1 |
| Antielastase | 2 |
| Antiescherichic | 1 |
| Antifeedant | 2 |
| Antifibrillary | 1 |
| Antiflu | 3 |
| Antigenotoxic | 1 |
| Antigonadotropic | 2 |
| Antihemolytic | 2 |
| Antihemorrhoidal | 1 |
| Antihepatitic | 1 |
| Antihepatoadenomic | 1 |
| Antihepatotoxic | 4 |
| Antiherpetic | 6 |
| Antihiccup | 1 |
| Antihistaminic | 2 |
| AntiHIV | 3 |
| Antihypercholesterolemic | 2 |
| Antihyperglycemic | 1 |
| Antihyperthyroid | 2 |

| Activity | Chemical Count |
|--------------------|----------------|
| Antiinflammatory | 6 |
| Antiischemic | 2 |
| AntiLegionella | 3 |
| Antileukemic | 6 |
| Antileukotriene | 3 |
| Antilipoperoxidant | 1 |
| Antilumbagic | 1 |
| Antimalarial | 5 |
| Antimelanogenic | 3 |
| Antimutagenic | 5 |
| Antineuralgic | 1 |
| Antineuritic | 1 |
| Antinitrosaminic | 2 |
| Antinociceptive | 1 |
| Antiophidic | 2 |
| Antioxidant | 6 |
| Antiperoxidant | 4 |
| Antipolio | 1 |
| Antiproliferant | 1 |
| Antiprostaglandin | 1 |
| Antipyretic | 3 |
| Antiradicular | 4 |
| Antisciatic | 1 |
| Antiseptic | 3 |
| Antispasmodic | 2 |
| Antistaphylococcic | 1 |
| Antistomatitic | 1 |

| Activity | Chemical Count |
|----------------------------------|----------------|
| Antisunburn | 2 |
| Antitachycardic | 1 |
| Antithiamin | 1 |
| Antithyroid | 2 |
| Antitrypanosomic | 1 |
| Antitumor | 3 |
| Antitumor (Colon) | 2 |
| Antitumor (Forestomach) | 1 |
| Antitumor (Liver) | 1 |
| Antitumor (Mouth) | 1 |
| Antitumor (Skin) | 3 |
| Antitumor-Promoter | 2 |
| Antitussive | 2 |
| Antiulcer | 1 |
| Antiulcerogenic | 1 |
| Antivaccinia | 1 |
| Antiviral | 8 |
| Antiwrinkle | 1 |
| Antiyeast | 1 |
| Anxiolytic | 1 |
| Apertif | 1 |
| Apoptotic | 1 |
| Astringent | 1 |
| Autotoxic | 1 |
| Beta-Adrenergic Receptor Blocker | 1 |
| Calcium-Antagonist | 4 |
| cAMP-Inhibitor | 1 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Cancer-Preventive | 4 |
| Capillarifortificant | 1 |
| Capillarigenic | 1 |
| Carcinogenic | 2 |
| Carcinostatic | 1 |
| Cardiodepressant | 2 |
| Cardioprotective | 2 |
| Cardiotonic | 1 |
| Cathartic | 1 |
| Chemopreventive | 3 |
| Cholagogue | 2 |
| Choleretic | 3 |
| Choline-Sparing | 1 |
| Clastogenic | 2 |
| CNS-Active | 2 |
| CNS-Stimulant | 1 |
| Co-carcinogenic | 1 |
| Collagen-Sparing | 2 |
| COMP-Inhibitor | 1 |
| COX-2-Inhibitor | 1 |
| Cyclooxygenase-Activator | 1 |
| Cytoprotective | 1 |
| Cytotoxic | 8 |
| Depigmentor | 1 |
| Dermatitigenic | 2 |
| Diuretic | 3 |
| DNA-Active | 1 |

| Activity | Chemical Count |
|--------------------------|----------------|
| DNA-Protective | 1 |
| Dye | 2 |
| Emetic | 1 |
| FLavor | 1 |
| Fungicide | 3 |
| Glutathione-Depleting | 1 |
| Hemolytic | 1 |
| Hepatocarcinogenic | 1 |
| Hepatoprotective | 4 |
| Hepatotoxic | 1 |
| Hepatotropic | 1 |
| Histamine-Inhibitor | 2 |
| Hypocholesterolemic | 1 |
| Hypoglycemic | 2 |
| Hypotensive | 2 |
| Immunostimulant | 4 |
| Immunosuppressant | 2 |
| Insectifuge | 2 |
| Insulinogenic | 1 |
| Interferonogenic | 1 |
| Juvabional | 1 |
| Larvostat | 1 |
| Laxative | 1 |
| Leukotriene-Inhibitor | 2 |
| Lipoxygenase-1-Inhibitor | 1 |
| Lipoxygenase-Inhibitor | 3 |
| Lyase-Inhibitor | 1 |

| Activity | Chemical Count |
|-----------------------------------|----------------|
| MDR-Inhibitor | 2 |
| Metal-Chelator | 2 |
| Molluscicide | 1 |
| Myorelaxant | 1 |
| Nephrotoxic | 1 |
| NO-Genic | 1 |
| Ornithine-Decarboxylase-Inhibitor | 2 |
| Oviposition-Stimulant | 1 |
| Oxytocic | 2 |
| Pancreatogenic | 1 |
| Pesticide | 17 |
| Phagocytotic | 1 |
| Phototoxic | 1 |
| Phytoalexin | 1 |
| Pigment | 1 |
| Prooxidant | 1 |
| Prostaglandigenic | 2 |
| Protisticide | 1 |
| Quinone-Reductase-Inducer | 1 |
| Reverse-Transcriptase-Inhibitor | 1 |
| Secretagogue | 1 |
| Sedative | 1 |
| Spermicide | 1 |
| Stomachic | 1 |
| Sunscreen | 2 |
| Sweetener | 1 |
| Tissue-Thromboplastin-Inhibitor | 1 |

| Activity | Chemical Count |
|----------------------------|----------------|
| Topoisomerase-II-Inhibitor | 1 |
| Trypanocide | 1 |
| Tumorigenic | 1 |
| Tyrosinase-Inhibitor | 1 |
| Ubiquitin | 1 |
| Vasodilator | 1 |
| Vulnerary | 2 |
| Xanthine-Oxidase-Inhibitor | 3 |