

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Elettaria cardamomum*

| Activity | Chemical Count |
|------------------------------|----------------|
| (-)-Chronotropic | 2 |
| (-)-Inotropic | 2 |
| 5-Alpha-Reductase-Inhibitor | 5 |
| Absorbent | 1 |
| Acaricide | 7 |
| ACE-Inhibitor | 5 |
| AChE-Inhibitor | 1 |
| Acidulant | 2 |
| Aldose-Reductase-Inhibitor | 9 |
| Allelochemic | 4 |
| Allelopathic | 8 |
| Allergenic | 18 |
| Alpha-Reductase-Inhibitor | 1 |
| Amphiglycemic? | 1 |
| Analgesic | 11 |
| Ancylostomicide | 1 |
| Androgenic | 2 |
| Anemiagenic | 2 |
| Anesthetic | 4 |
| Angiogenic | 1 |
| Angiotensin-Receptor-Blocker | 2 |
| Anorexic | 1 |
| Anthelmintic | 4 |
| Antiacetylcholine | 1 |
| Antiacetylcholinesterase | 9 |
| Antiacne | 10 |
| Antiacrodermatitic | 1 |

| Activity | Chemical Count |
|----------------------|----------------|
| Antiacrodynamic | 1 |
| Antiadenomic | 2 |
| Antiadenoviral | 1 |
| AntiAGE | 1 |
| Antiaggregant | 4 |
| Antiaging | 2 |
| Antiakathisic | 1 |
| Antialcoholic | 3 |
| Antiallergic | 6 |
| Antialopepic | 4 |
| Antialzheimeran | 5 |
| Antialzheimeran? | 1 |
| Antiamblyopic | 2 |
| Antianaphylactic | 2 |
| Antiandrogenic | 4 |
| Antianemic | 3 |
| Antiangular | 2 |
| Antiangiogenic | 1 |
| Antianorectic | 1 |
| Antianorexic | 1 |
| Antianxiety | 1 |
| Antiarabiflavivotic | 1 |
| Antiarrhythmic | 2 |
| Antiarteriosclerotic | 1 |
| Antiarthritic | 6 |
| Antiasthmatic | 4 |
| Antiatherogenic | 1 |

| Activity | Chemical Count |
|-----------------------|----------------|
| Antiatherosclerotic | 4 |
| Antibacillary | 2 |
| Antibackache | 1 |
| Antibacterial | 25 |
| Antiberiberi | 1 |
| AntiBPH | 1 |
| Antibronchitic | 2 |
| Anticancer | 7 |
| Anticancer (Breast) | 1 |
| Anticancer (Cervix) | 1 |
| Anticancer (Lung) | 1 |
| Anticancer (Pancreas) | 1 |
| Anticanker | 3 |
| Anticarcinogenic | 1 |
| Anticardiospasmic | 1 |
| Anticariogenic | 6 |
| Anticarpal-Tunnel | 1 |
| Anticataract | 5 |
| Anticatarrh | 1 |
| Anticephalagic | 1 |
| Anticervicaldysplasic | 1 |
| AntiCFS | 1 |
| Anticheilitic | 2 |
| Antichilblain | 1 |
| Anticholinesterase | 1 |
| Antichoreic | 1 |
| Anticirrhotic | 1 |

| Activity | Chemical Count |
|---------------------|----------------|
| Anticlastogen | 1 |
| Anticlimacteric | 1 |
| Anticoeliac | 1 |
| Anticold | 1 |
| Anticolic | 1 |
| Anticolitic | 2 |
| Anticonvulsant | 4 |
| Anticorneotic | 1 |
| Anticoronary | 2 |
| AntiCrohn's | 1 |
| AntiCRP | 1 |
| Anticystinuric | 1 |
| Antidandruff | 1 |
| Antidecubitic | 2 |
| Antideliriant | 1 |
| Antidementia | 5 |
| Antidepressant | 3 |
| Antidermatitic | 2 |
| Antidiabetic | 8 |
| Antidiarrheic | 1 |
| Antidiscotic | 1 |
| Antidiuretic | 1 |
| Antidote (Aluminum) | 1 |
| Antidote (Cadmium) | 1 |
| Antidote (Iodine) | 1 |
| Antidote (Lead) | 2 |
| Antidysenteric | 1 |

| Activity | Chemical Count |
|---------------------|----------------|
| Antidysgeuzic | 1 |
| Antidyskinetic | 2 |
| Antidyspeptic | 1 |
| Antidysphagic | 1 |
| Antieczemic | 3 |
| Antiedemic | 4 |
| Antielastase | 1 |
| Antiemetic | 1 |
| Antiencephalopathic | 2 |
| Antiepileptic | 3 |
| Antiescherichic | 3 |
| Antiesophagitic | 1 |
| Antiestrogenic | 1 |
| Antifatigue | 6 |
| Antifeedant | 8 |
| Antifertility | 2 |
| Antifibrinolytic | 2 |
| Antifibrositic | 1 |
| Antifibrotic | 1 |
| Antiflatulent | 1 |
| Antiflu | 5 |
| Antifuruncular | 1 |
| Antigastritic | 1 |
| Antiglossitic | 1 |
| Antiglutamaergic | 1 |
| Antiglycosuric | 1 |
| Antigonadotrophic | 1 |

| Activity | Chemical Count |
|---------------------------|----------------|
| Antigonadotropic | 1 |
| Antigranular | 1 |
| Antihalitotic | 1 |
| Antihangover | 3 |
| Antiheartburn | 1 |
| Antihelicobacter | 2 |
| Antihemolytic | 1 |
| Antihepatoadenomic | 1 |
| Antihepatotoxic | 4 |
| Antitherpetic | 2 |
| Antitherpetic? | 1 |
| Antihistaminic | 5 |
| AntiHIV | 2 |
| Antihomocysteine | 1 |
| Antihyperactivity | 1 |
| Antihypercholesterolemic | 1 |
| Antihyperkinetic | 1 |
| Antihyperlipoproteinaemic | 1 |
| Antihypertensive | 3 |
| Antihyperthyroid | 1 |
| Antiileus | 1 |
| Antiimpotence | 1 |
| Antiinfarctal | 1 |
| Antiinfective | 1 |
| Antiinfertility | 2 |
| Antiinflammatory | 19 |
| Antiinsomniac | 2 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Antiinsomnic | 1 |
| Antiischemic | 1 |
| Antikeratitic | 1 |
| Antilaryngitic | 1 |
| AntiLegionella | 1 |
| Antileishmanic | 1 |
| Antileptic | 1 |
| Antileukemic | 5 |
| Antileukonychic | 1 |
| Antileukotriene | 1 |
| Antileukotriene-D4 | 3 |
| Antilisteria | 1 |
| Antilithic | 1 |
| Antilithic? | 1 |
| AntiLyme | 3 |
| Antilymphomic | 4 |
| Antimaculitic | 2 |
| Antimalarial | 3 |
| Antimange | 1 |
| Antimanic | 1 |
| Antimelanogenic | 1 |
| Antimelanomic | 1 |
| AntiMeniere's | 1 |
| Antimenopausal | 1 |
| Antimenorrhagic | 2 |
| Antimetastatic | 1 |
| Antimetastatic (Stomach) | 1 |

| Activity | Chemical Count |
|----------------------|----------------|
| Antimigraine | 2 |
| Antimite | 1 |
| AntiMS | 2 |
| Antimutagenic | 7 |
| Antimyocarditic | 1 |
| Antinesidioblastosic | 1 |
| Antineuralgic | 3 |
| Antineurasthenic | 1 |
| Antineuritic | 1 |
| Antineuropathic | 3 |
| Antinitrosaminic | 4 |
| Antinociceptive | 5 |
| Antinyctalopic | 1 |
| Antiobesity | 5 |
| Antionychyotic | 1 |
| Antiophidic | 3 |
| Antiosteoarthritic | 1 |
| Antiosteoporotic | 6 |
| Antiotitic | 2 |
| Antiototic | 1 |
| Antioxidant | 22 |
| Antiparkinsonian | 2 |
| Antipellagic | 2 |
| Antiperiodontitic | 2 |
| Antiperoxidant | 3 |
| Antiperoxynitrite | 1 |
| Antipharyngitic | 1 |

| Activity | Chemical Count |
|----------------------|----------------|
| Antiphotoaphobic | 1 |
| Antiplateque | 2 |
| Antiplasmodial | 2 |
| AntiPMS | 2 |
| Antipneumonic | 1 |
| Antipoliomyelitic | 1 |
| Antipolyneuritic | 1 |
| Antiprogestational | 1 |
| Antiprolactin | 1 |
| Antiproliferant | 4 |
| Antiproliferative | 1 |
| Antiprostaglandin | 4 |
| Antiprostataadenomic | 1 |
| Antiprostatitic | 3 |
| Antiprostatotic | 1 |
| Antipuritic | 1 |
| Antipyretic | 3 |
| Antiradicular | 3 |
| AntiRaynaud's | 1 |
| Antiretinotic | 1 |
| Antirheumatalgic | 1 |
| Antirheumatic | 4 |
| Antirhinitic | 1 |
| Antisalmonella | 4 |
| Antiscotomic | 1 |
| Antiseptic | 20 |
| Antishock | 1 |

| Activity | Chemical Count |
|----------------------|----------------|
| Antisickling | 1 |
| Antisinusitic | 1 |
| Antispare-Tire | 1 |
| Antispasmodic | 19 |
| Antistaphylococcic | 9 |
| Antisteatotic | 1 |
| Antistomatitic | 2 |
| Antistreptococcic | 4 |
| Antistress | 1 |
| Antistroke | 2 |
| Antisunburn | 1 |
| Antisyndrome-X | 3 |
| Antitachycardic | 1 |
| Antithiamin | 1 |
| Antithyroid | 1 |
| Antitic | 1 |
| Antitinnitic | 1 |
| Antitriglyceride | 2 |
| Antitubercular | 1 |
| Antitumor | 10 |
| Antitumor (Bladder) | 1 |
| Antitumor (Breast) | 2 |
| Antitumor (Cervix) | 1 |
| Antitumor (Colon) | 1 |
| Antitumor (Lung) | 1 |
| Antitumor (Pancreas) | 2 |
| Antitumor (Prostate) | 2 |

| Activity | Chemical Count |
|-------------------------|----------------|
| Antitumor (Skin) | 1 |
| Antitumor (Stomach) | 2 |
| Antitumor-Promoter | 3 |
| Antitussive | 2 |
| Antiulcer | 7 |
| Antiulcerogenic | 1 |
| Antiuricosuric | 1 |
| Antivaccinia | 1 |
| Antivaginitic | 1 |
| Antivertigo | 1 |
| Antiviral | 9 |
| Antiviral? | 1 |
| Antiyeast | 1 |
| Anxiolytic | 4 |
| Apoptotic | 3 |
| Artemicide | 2 |
| Ascaricide | 2 |
| Astringent | 1 |
| Bacteriostatic | 1 |
| Barbituate-Synergist | 1 |
| Beta-Blocker | 2 |
| Bronchoprotectant | 1 |
| Bronchorelaxant | 1 |
| Bruchifuge | 1 |
| Calcium-Antagonist | 1 |
| Calcium-Channel-Blocker | 1 |
| Cancer-Preventive | 22 |

| Activity | Chemical Count |
|---------------------|----------------|
| Candidicide | 11 |
| Candidistat | 3 |
| Carcinogenic | 4 |
| Cardiodepressant | 2 |
| Cardiomyopathogenic | 1 |
| Cardioprotective | 7 |
| Cardiotoxic | 1 |
| Carminative | 4 |
| Caspase-8-Inducer | 1 |
| Cerebrostimulant | 1 |
| Cerebrotonic | 1 |
| Cerebrotoxic | 1 |
| Chemopreventive | 4 |
| Cholagogue | 1 |
| Choleretic | 7 |
| Cholesterolytic | 1 |
| Cholinergic | 1 |
| Cicatrizant | 1 |
| Circulotonic | 2 |
| Clastogenic | 1 |
| CNS-Active | 1 |
| CNS-Depressant | 1 |
| CNS-Stimulant | 5 |
| CNS-Toxic | 1 |
| Co-carcinogenic | 1 |
| Coleoptophile | 1 |
| Collagen-Sparing | 1 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Collagenic | 1 |
| Comedolytic | 1 |
| Contraceptive | 1 |
| Convulsant | 2 |
| Copper-Antagonist | 1 |
| Cosmetic | 3 |
| Counterirritant | 2 |
| COX-1-Inhibitor | 1 |
| COX-2-Inhibitor | 2 |
| Culicide | 2 |
| Cyclooxygenase-Inhibitor | 1 |
| Cytochrome-P450-Inducer | 1 |
| Cytoprotective | 1 |
| Cytotoxic | 3 |
| Decongestant | 2 |
| Degranulant | 1 |
| Deliriant | 1 |
| Dentifrice | 1 |
| Deodorant | 1 |
| Dermal | 1 |
| Dermatitigenic | 2 |
| Detoxicant | 1 |
| Detoxicant (Alcohol) | 1 |
| Diaphoretic? | 1 |
| Diuretic | 5 |
| DNA-Active | 1 |
| DNA-Protective | 1 |

| Activity | Chemical Count |
|--------------------|----------------|
| Ecboic | 1 |
| Edemagenic | 1 |
| Embryotoxic | 2 |
| Emetic | 3 |
| Emollient | 1 |
| Energizer | 1 |
| Enterocontractant | 1 |
| Epileptigenic | 1 |
| Ergogenic | 1 |
| Erythrocytogenic | 1 |
| Estrogenic | 4 |
| Expectorant | 9 |
| Febrifuge | 1 |
| Fibrinolytic | 1 |
| FLavor | 32 |
| Fungicide | 22 |
| Fungiphilic | 1 |
| Fungistat | 2 |
| GABA-nergic | 1 |
| Gastroprotective | 2 |
| Gonadotrophic | 1 |
| Gram(+)icide | 1 |
| Gram(-)icide | 1 |
| GST-Inducer | 1 |
| Hemolytic | 1 |
| Hepatocarcinogenic | 1 |
| Hepatoprotective | 6 |

| Activity | Chemical Count |
|----------------------|----------------|
| Hepatotonic | 1 |
| Hepatotoxic | 1 |
| Hepatotropic | 1 |
| Herbicide | 11 |
| Histamine-Inhibitor | 1 |
| Histaminic | 2 |
| Hypercholesterolemic | 3 |
| Hyperglycemic | 1 |
| Hypertensive | 1 |
| Hypnotic | 1 |
| Hypocholesterolemic | 14 |
| Hypocholesterolemic? | 1 |
| Hypoglycemic | 5 |
| Hypolipidemic | 2 |
| Hypotensive | 8 |
| Hypothermic | 2 |
| Hypouricemic | 1 |
| Ileorelaxant | 1 |
| Immunomodulator | 6 |
| Immunostimulant | 3 |
| Immunosuppressant | 2 |
| Inflammatory | 1 |
| Inhalant | 1 |
| Insect-Repellent | 2 |
| Insecticide | 7 |
| Insectifuge | 24 |
| Insectiphile | 4 |

| Activity | Chemical Count |
|-------------------------|----------------|
| Insulinogenic | 2 |
| Interleukin-6-Inhibitor | 2 |
| Irritant | 19 |
| Keratitogenic | 1 |
| Larvicide | 3 |
| Laxative | 5 |
| Leptogenic | 1 |
| Leukotriene-Inhibitor | 1 |
| Lipolytic | 1 |
| Lipotropic | 1 |
| Lipoxygenase-Inhibitor | 2 |
| Lubricant | 3 |
| Lyase-Inhibitor | 1 |
| Memorigenic | 2 |
| Metal-Chelator | 1 |
| Metal-Chelator (Copper) | 1 |
| Metastatic | 1 |
| Miotic | 1 |
| Mosquitocide | 1 |
| Mosquitofuge | 2 |
| Motor-Depressant | 5 |
| Mucogenic | 1 |
| Mucolytic | 1 |
| Mutagenic | 1 |
| Mutagenic? | 1 |
| Mycobactericide | 1 |
| Myocontractant | 1 |

| Activity | Chemical Count |
|-----------------------------------|----------------|
| Myopic | 1 |
| Myorelaxant | 4 |
| Myotonic | 1 |
| Natriuretic | 1 |
| Nematicide | 18 |
| Nematistat | 1 |
| Neuroprotective | 1 |
| Neurotoxic | 1 |
| Neurotransmitter | 1 |
| NF-kB-Inhibitor | 1 |
| NO-Genic | 1 |
| NO-Inhibitor | 1 |
| Occuloirritant | 1 |
| Ornithine-Decarboxylase-Inhibitor | 2 |
| Osteogenic | 1 |
| Osteolytic | 1 |
| Ovulant | 1 |
| Ozone-Scavenger | 1 |
| P450-2B1-Inhibitor | 5 |
| P450-Inducer | 2 |
| Parasympathomimetic | 2 |
| Pediculicide | 1 |
| Percutaneostimulant | 2 |
| Perfume | 1 |
| Perfumery | 29 |
| Peristaltic | 2 |
| Pesticide | 42 |

| Activity | Chemical Count |
|-----------------------------------|----------------|
| Photosensitizer | 1 |
| Pigment | 1 |
| PKC-Inhibitor | 1 |
| Plasmodicide | 1 |
| Poultice | 1 |
| Prooxidant | 4 |
| Propepic | 4 |
| Prostaglandigenic | 2 |
| Prostaglandin-Synthesis-Inhibitor | 1 |
| Protisticide | 1 |
| Psychoactive | 1 |
| Renoirritant | 1 |
| Respirainhibitor | 1 |
| Respirastimulant | 1 |
| Rubefacient | 2 |
| Schizophrenigenic | 1 |
| Secretagogue | 1 |
| Sedative | 20 |
| Serotoninergic | 1 |
| Sialogogue | 1 |
| Soap | 2 |
| Spasmogenic | 6 |
| Spermicide | 3 |
| Spermigenic | 1 |
| Stimulant | 1 |
| Sunscreen | 1 |
| Suppository | 1 |

| Activity | Chemical Count |
|----------------------------------|----------------|
| Surfactant | 1 |
| Teratogenic | 1 |
| Termiticide | 1 |
| Termitifuge | 2 |
| Testosterone-Hydroxylase-Inducer | 1 |
| Testosteronigenic | 1 |
| Tranquilizer | 3 |
| Transdermal | 7 |
| Trichomonicide | 9 |
| Trypanocide | 1 |
| Trypsin-Enhancer | 1 |
| Tumor-Promoter | 1 |
| Tumorigenic | 1 |
| Tyrosinase-Inhibitor | 1 |
| Ubiquinol | 2 |
| Ulcerogenic | 2 |
| Uricosuric | 1 |
| Vasodilator | 5 |
| Vermicide | 1 |
| Vermifuge | 1 |
| Verrucolytic | 2 |
| Vibriocide | 1 |
| Vulnerary | 4 |
| Xanthine-Oxidase-Inhibitor | 1 |