

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Spartium junceum*

| Activity | Chemical Count |
|-----------------------------|-----------------------|
| Pesticide | 11 |
| Antiinflammatory | 11 |
| Cancer-Preventive | 9 |
| Antioxidant | 8 |
| Antiviral | 7 |
| Diuretic | 6 |
| Hypocholesterolemic | 6 |
| Fungicide | 6 |
| Cytotoxic | 5 |
| Antimutagenic | 5 |
| Hypotensive | 5 |
| Hepatoprotective | 5 |
| Antitumor | 4 |
| Propecic | 4 |
| Antiedemic | 4 |
| Anxiolytic | 4 |
| Antihypertensive | 4 |
| 5-Alpha-Reductase-Inhibitor | 4 |
| Antiperoxidant | 4 |
| Antiaggregant | 4 |
| Aldose-Reductase-Inhibitor | 4 |
| Vasodilator | 4 |
| Antiangiogenic | 4 |
| Antileukemic | 4 |
| Antiarrhythmic | 4 |
| Antispasmodic | 4 |
| Antiherpetic | 4 |

| Activity | Chemical Count |
|-----------------------------------|----------------|
| Antibacterial | 3 |
| Carcinogenic | 3 |
| Antiflu | 3 |
| Antiarthritic | 3 |
| Antiestrogenic | 3 |
| Topoisomerase-I-Inhibitor | 3 |
| Antiandrogenic | 3 |
| AntiHIV | 3 |
| FLavor | 3 |
| Insectifuge | 3 |
| Antitumor (Breast) | 3 |
| Antialopepic | 3 |
| Antidepressant | 3 |
| Ornithine-Decarboxylase-Inhibitor | 3 |
| Antiproliferant | 3 |
| Antileukotriene | 3 |
| Antiosteoporotic | 3 |
| Antihistaminic | 3 |
| Antiulcer | 3 |
| Nematicide | 3 |
| Apoptotic | 3 |
| Antiallergic | 3 |
| Lubricant | 3 |
| Allergenic | 3 |
| VEGF-Inhibitor | 3 |
| Antiatherosclerotic | 3 |
| Immunostimulant | 3 |

| Activity | Chemical Count |
|----------------------------|----------------|
| Analgesic | 3 |
| Xanthine-Oxidase-Inhibitor | 3 |
| Antiprostatitic | 3 |
| Estrogenic | 3 |
| Hypouricemic | 2 |
| Antithiamin | 2 |
| Antileukotriene-D4 | 2 |
| Antidiabetic | 2 |
| Antiaging | 2 |
| Antinitrosaminic | 2 |
| Lipoxygenase-Inhibitor | 2 |
| Anticlimacteric | 2 |
| Antiradicular | 2 |
| Nematistat | 2 |
| Antihemolytic | 2 |
| Antimelanomic | 2 |
| Cardioprotective | 2 |
| Antiprostaglandin | 2 |
| DNA-Protective | 2 |
| Molluscicide | 2 |
| Antistress | 2 |
| Aromatase-Inhibitor | 2 |
| Antiobesity | 2 |
| Laxative | 2 |
| Antihepatotoxic | 2 |
| Alpha-Reductase-Inhibitor | 2 |
| Anticarcinomic (Breast) | 2 |

| Activity | Chemical Count |
|----------------------------------|----------------|
| Irritant | 2 |
| Abortifacient | 2 |
| Antimalarial | 2 |
| Antiescherichic | 2 |
| Mutagenic | 2 |
| Phytoalexin | 2 |
| COX-2-Inhibitor | 2 |
| Antistaphylococcic | 2 |
| Perfumery | 2 |
| Antianaphylactic | 2 |
| Teratogenic | 2 |
| MAO-Inhibitor | 2 |
| Choleretic | 2 |
| Antiseptic | 2 |
| Quinone-Reductase-Inducer | 2 |
| Antitumor (Ovary) | 2 |
| cAMP-Phosphodiesterase-Inhibitor | 2 |
| Tumorigenic | 2 |
| AntiPMS | 2 |
| Antithrombic | 2 |
| Hypercholesterolemic | 2 |
| Topoisomerase-II-Inhibitor | 2 |
| Antielastase | 2 |
| Antinociceptive | 2 |
| Cathartic | 2 |
| Antirheumatic | 2 |
| Antitumor (Skin) | 2 |

| Activity | Chemical Count |
|---------------------------|----------------|
| Antigonadotropic | 2 |
| Antitumor (Colon) | 2 |
| Candidicide | 2 |
| Tyrosine-Kinase-Inhibitor | 2 |
| Antifibrinolytic | 2 |
| Hypoglycemic | 2 |
| Calcium-Antagonist | 2 |
| Cosmetic | 2 |
| Antiaflatoxin | 2 |
| Antitumor-Promoter | 2 |
| PTK-Inhibitor | 2 |
| Inotropic | 1 |
| Uterotrophic | 1 |
| Antiproliferant (colon) | 1 |
| AntiMDR | 1 |
| Calmodulin-Antagonist | 1 |
| Trypanosomastat | 1 |
| Antiplasmodial | 1 |
| Myorelaxant | 1 |
| Pituitary-sensitizer | 1 |
| Beta-Blocker | 1 |
| Antiperistaltic | 1 |
| Metastatic | 1 |
| Curaroid | 1 |
| Antistomatitic | 1 |
| Peroxidase-Inhibitor | 1 |
| Antiischemic | 1 |

| Activity | Chemical Count |
|--|----------------|
| HIV-RT-Inhibitor | 1 |
| Teratologic | 1 |
| Antioxalate | 1 |
| Mast-Cell-Stabilizer | 1 |
| Comedolytic | 1 |
| Oxytoxic | 1 |
| Hepatomagenic | 1 |
| Sunscreen | 1 |
| AntiCrohn's | 1 |
| Clastogenic | 1 |
| NO-Inhibitor | 1 |
| Angiotensin-Receptor-Blocker | 1 |
| Glucosyl-Transferase-Inhibitor | 1 |
| Antiulcer? | 1 |
| Radioprotective | 1 |
| Antimitogenic | 1 |
| Larvicide | 1 |
| Catechol-O-Methyltransferase-Inhibitor | 1 |
| Allelochemic | 1 |
| Antitumor (Prostate) | 1 |
| Anticancer (Breast) | 1 |
| Vasorelaxant | 1 |
| Antigastric | 1 |
| Prostaglandin-Synthesis-Inhibitor | 1 |
| Antiatherogenic | 1 |
| Immunomodulator | 1 |
| Tyrosinase-Inhibitor | 1 |

| Activity | Chemical Count |
|--|----------------|
| Antipodriac | 1 |
| Antifertility | 1 |
| NADH-Ubiquinone-Oxidoreductase-Inhibitor | 1 |
| Dermatitogenic | 1 |
| Antithyroid | 1 |
| Pressor | 1 |
| Antilithic | 1 |
| Bradycardic | 1 |
| Topoisomerase-II-Poison | 1 |
| Antiencephalitic | 1 |
| CYP1A1-Inhibitor | 1 |
| PGE2-Inhibitor | 1 |
| Antileishmanic | 1 |
| Antianxiety | 1 |
| Testosterogenic | 1 |
| Antipancreatic | 1 |
| Antidote (Lead) | 1 |
| Metal-Chelator | 1 |
| Copper-Chelator | 1 |
| Antishigellic | 1 |
| P450-Inhibitor | 1 |
| Antiimplantation | 1 |
| Hepatotropic | 1 |
| Tachycardiagenic | 1 |
| Lyase-Inhibitor | 1 |
| CNS-Depressant | 1 |
| Antihypercholesterolemic | 1 |

| Activity | Chemical Count |
|-------------------------|----------------|
| Antiadenoviral | 1 |
| Hemolytic | 1 |
| Antiurethrotic | 1 |
| Respirastimulant | 1 |
| Anticomplementary | 1 |
| Chemopreventive | 1 |
| AntiRSV | 1 |
| Neuroprotective | 1 |
| Antitumor (Stomach) | 1 |
| Antimenorrhagic | 1 |
| Caspase-3-Inhibitor | 1 |
| Vulnerary | 1 |
| Antiprostataadenomic | 1 |
| Antigout | 1 |
| Estrogen-Agonist | 1 |
| Antitumor (GI) | 1 |
| Psychoactive | 1 |
| Antibacillary | 1 |
| iNOS-Inhibitor | 1 |
| Capillariprotective | 1 |
| Uterocontractant | 1 |
| Antifibrosarcomic | 1 |
| Differentiator | 1 |
| Antitrypanosomic | 1 |
| Prooxidant | 1 |
| Calcium-Channel-Blocker | 1 |
| Tranquilizer | 1 |

| Activity | Chemical Count |
|-----------------------------|----------------|
| Antiplateque | 1 |
| Cytoprotective | 1 |
| Antitachycardic | 1 |
| Antiarteriosclerotic | 1 |
| Bacteristat | 1 |
| TOPO-2-Inhibitor | 1 |
| Antiperiodontitic | 1 |
| Antieczemic | 1 |
| Metalloproteinase-Inhibitor | 1 |
| Antiinsomniac | 1 |
| Histidine-Kinase-Inhibitor | 1 |
| Antidermatitic | 1 |
| Collagen-Sparing | 1 |
| Oxytotic | 1 |
| Antihyperkinetic | 1 |
| Hepatocarcinogenic | 1 |
| Soap | 1 |
| Antineuroblastomic | 1 |
| Anticoronary | 1 |
| Lipase-Inhibitor | 1 |
| NO-Genic | 1 |
| Anemiagenic | 1 |
| Gastroprotective | 1 |
| Antimicrobial | 1 |
| Anticataract | 1 |
| Juvabional | 1 |
| Catabolic | 1 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Antipsoriac | 1 |
| AntiGTF | 1 |
| Flatulent | 1 |
| Anticancer | 1 |
| Insecticide | 1 |
| Cardiodepressant | 1 |
| Antiproliferative | 1 |
| Antiganglionic | 1 |
| 11B-HSD-Inhibitor | 1 |
| DNA-Active | 1 |
| Antitumor (Bladder) | 1 |
| Prostaglandigenic | 1 |
| Antimelanogenic | 1 |
| Antiasthmatic | 1 |
| ICAM-1-Inhibitor | 1 |
| Antifeedant | 1 |
| NADH-Oxidase-Inhibitor | 1 |
| Deiodinase-Inhibitor | 1 |
| Plasmodicide | 1 |
| Antilipoperoxidant | 1 |
| Bradycardiac | 1 |
| Antipermeability | 1 |
| MMP-9-Inhibitor | 1 |
| Cyclooxygenase-Inhibitor | 1 |
| Antistreptococcic | 1 |
| AntiLegionella | 1 |
| Termitifuge | 1 |

| Activity | Chemical Count |
|------------------------------|----------------|
| Antidote (Aluminum) | 1 |
| MDR-Inhibitor | 1 |
| COMT-Inhibitor | 1 |
| P450-Inducer | 1 |
| Antihyperthyroid | 1 |
| Suppository | 1 |
| Anticystitic | 1 |
| CNS-Active | 1 |
| NO-Synthase-Inhibitor | 1 |
| Antihydrophobic | 1 |
| Antiacne | 1 |
| Hallucinogenic | 1 |
| Antiulcerogenic | 1 |
| Respiradepressant | 1 |
| AntiMS | 1 |
| Anticolitic | 1 |
| Larvostat | 1 |
| NEP-Inhibitor | 1 |
| Antihepatoadenomic | 1 |
| FPTase-Inhibitor | 1 |
| Antimenopausal | 1 |
| Anticarcinogenic | 1 |
| Insulinogenic | 1 |
| Cardiotonic | 1 |
| Antiprostanoid | 1 |
| 5-Lipoxygenase-Inhibitor | 1 |
| DOPA-Decarboxylase-Inhibitor | 1 |

| Activity | Chemical Count |
|-------------------------------|----------------|
| Protein-Kinase-C-Inhibitor | 1 |
| Antipolio | 1 |
| Diaphoretic? | 1 |
| Antititic | 1 |
| Proliferant | 1 |
| Antilymphomic | 1 |
| Toxic | 1 |
| Antipharyngitic | 1 |
| Antiendoccytotic | 1 |
| Mosquitocide | 1 |
| Cytochrome-P450-1A2-Inhibitor | 1 |
| Antisunburn | 1 |
| Phospholipase-Inhibitor | 1 |
| ATPase-Inhibitor | 1 |
| TNF-alpha-Inhibitor | 1 |
| Antiperiodontal | 1 |
| AntiEBV | 1 |
| Metal-Chelator (Copper) | 1 |
| Percutaneostimulant | 1 |
| Antialzheimeran | 1 |
| Histamine-Inhibitor | 1 |
| Tachycardic | 1 |
| Antiophidic | 1 |
| Antidermatic | 1 |
| MAO-A-Inhibitor | 1 |
| Co-carcinogenic | 1 |
| Osteogenic | 1 |

| Activity | Chemical Count |
|----------------------------|----------------|
| Antihyperglycemic | 1 |
| Hemostat | 1 |
| Antivaccinia | 1 |
| Sedative | 1 |
| Antimyocarditic | 1 |
| Anticonvulsant | 1 |
| Leukotriene-Inhibitor | 1 |
| Cholagogue | 1 |
| Antisalmonella | 1 |
| NF-kB-Inhibitor | 1 |
| Fungistat | 1 |
| Antimetastatic | 1 |
| Anticariogenic | 1 |
| JNK-Inhibitor | 1 |
| Caspase-9-Inhibitor | 1 |
| Natriuretic | 1 |
| Antigranular | 1 |
| Aldehyde-Oxidase-Inhibitor | 1 |
| Antitumor (Lung) | 1 |