

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Monarda fistulosa***

| Activity | Chemical Count |
|-----------------------------|-----------------------|
| (-)-Chronotropic | 3 |
| (-)-Inotropic | 3 |
| ABeta-Inhibitor | 1 |
| Acaricide | 6 |
| ACE-Inhibitor | 4 |
| AChE-Inhibitor | 2 |
| Acidulant | 1 |
| Adenylate-Cyclase-Inhibitor | 1 |
| Aldose-Reductase-Inhibitor | 5 |
| Allelochemic | 2 |
| Allelopathic | 4 |
| Allergenic | 10 |
| Allergenic? | 1 |
| Analgesic | 3 |
| Ancylostomicide | 1 |
| Anesthetic | 5 |
| Ankylostomacide | 1 |
| Anthelmintic | 5 |

| Activity | Chemical Count |
|--------------------------|----------------|
| Antiacetylcholinesterase | 8 |
| Antiacne | 3 |
| Antiadenomic | 1 |
| Antiaflatoxin | 1 |
| Antiaggregant | 2 |
| Antiallergic | 3 |
| Antialzheimeran | 1 |
| Antialzheimeran? | 4 |
| Antianaphylactic | 1 |
| Antiarthritic | 2 |
| Antiasthmatic | 2 |
| Antiatherosclerotic | 3 |
| Antibacillary | 1 |
| Antibacterial | 23 |
| Antibronchitic | 4 |
| Anticancer | 3 |
| Anticancer (Pancreas) | 2 |
| Anticariogenic | 5 |
| Anticatarrh | 2 |
| Anticholinesterase | 4 |

| Activity | Chemical Count |
|---------------------|-----------------------|
| Anticholinesterase? | 1 |
| Anticoagulant | 1 |
| Anticomplementary | 1 |
| Anticonvulsant | 1 |
| Anticystitic | 1 |
| Antidepressant | 1 |
| Antidiuretic | 1 |
| AntiEBV | 1 |
| Antiedemic | 1 |
| Antieicosanoid | 1 |
| Antiesophagitic | 1 |
| Antifatigue | 2 |
| Antifeedant | 4 |
| Antiflu | 3 |
| Antigonadotropic | 1 |
| Antihalitotic | 3 |
| Antihelicobacter | 2 |
| Antihemolytic | 1 |
| Antihepatotoxic | 1 |
| Antiherpetic | 2 |

| Activity | Chemical Count |
|--------------------------|-----------------------|
| Antihistaminic | 2 |
| AntiHIV | 1 |
| Antihyperthyroid | 1 |
| Antihysteria | 1 |
| Antiinflammatory | 10 |
| Antiinsomniac | 1 |
| Antiintegrase | 1 |
| Antilaryngitic | 2 |
| Antileptic | 1 |
| Antileukotriene | 1 |
| Antilipoperoxidant | 1 |
| Antilithic | 1 |
| Antilithic? | 1 |
| Antilymphomic | 1 |
| Antimelanomic | 4 |
| Antimetastatic (Stomach) | 1 |
| Antimutagenic | 3 |
| Antinephritic | 1 |
| Antineuritic | 1 |
| Antinitrosaminic | 2 |

| Activity | Chemical Count |
|-------------------|-----------------------|
| Antinociceptive | 3 |
| Antiobesity | 1 |
| Antiotitic | 1 |
| Antioxidant | 8 |
| Antioxidant (LDL) | 3 |
| Antiperiodontic | 2 |
| Antipharyngitic | 2 |
| Antiplantar | 1 |
| Antiplaque | 5 |
| Antipneumonic | 1 |
| Antiproliferant | 3 |
| Antiprostaglandin | 2 |
| Antiproteolytic | 1 |
| Antipulmonotic | 1 |
| Antipyretic | 1 |
| Antiradicular | 4 |
| Antirheumatalgic | 1 |
| Antirheumatic | 4 |
| Antirhinitic | 2 |
| Antisalmonella | 3 |

| Activity | Chemical Count |
|----------------------|-----------------------|
| Antiseptic | 13 |
| Antishock | 1 |
| Antisinusitic | 2 |
| Antispasmodic | 14 |
| Antistaphylococcic | 5 |
| Antistreptococcic | 3 |
| Antithyreotropic | 1 |
| Antithyroid | 1 |
| Antitrichinosic | 1 |
| Antitubercular | 1 |
| Antitumor | 3 |
| Antitumor (Breast) | 2 |
| Antitumor (Colon) | 3 |
| Antitumor (Pancreas) | 3 |
| Antitumor (Prostate) | 2 |
| Antitumor (Skin) | 1 |
| Antitumor (Stomach) | 1 |
| Antitussive | 4 |
| Antiulcer | 4 |
| Antiuremic | 1 |

| Activity | Chemical Count |
|--------------------|-----------------------|
| Antivaginitic | 1 |
| Antiviral | 7 |
| Antiyeast | 1 |
| Anxiolytic | 1 |
| Apoptotic | 4 |
| Ascaricide | 1 |
| Ataxigenic | 1 |
| Avifuge | 1 |
| Bronchoprotectant | 1 |
| Bruchifuge | 1 |
| Calcium-Antagonist | 1 |
| Cancer-Preventive | 5 |
| Candidicide | 8 |
| Candidistat | 1 |
| Carcinogenic | 3 |
| Carminative | 3 |
| Cerebrotoxic | 1 |
| Chemopreventive | 4 |
| Choleretic | 3 |
| Cholesterolytic | 1 |

| Activity | Chemical Count |
|--------------------------|-----------------------|
| Cicatrizant | 1 |
| CNS-Stimulant | 3 |
| Coleoptophile | 1 |
| Convulsant | 2 |
| Counterirritant | 3 |
| COX-1-Inhibitor | 1 |
| COX-2-Inhibitor | 1 |
| Culicide | 1 |
| Cyclooxygenase-Inhibitor | 3 |
| Cytochrome-P450-Inducer | 2 |
| Cytotoxic | 1 |
| Decongestant | 2 |
| Degranulant | 2 |
| Deiodinase-Inhibitor | 1 |
| Dentifrice | 3 |
| Deodorant | 1 |
| Dermatitigenic | 2 |
| Detoxicant | 1 |
| Edemagenic | 2 |
| Embryotoxic | 1 |

| Activity | Chemical Count |
|-------------------|-----------------------|
| Emetic | 1 |
| Encephalopathic | 1 |
| Enterocontractant | 1 |
| Enterorelaxant | 2 |
| Enterotoxic | 1 |
| Estrogenic | 2 |
| Expectorant | 10 |
| FLavor | 26 |
| Fungicide | 13 |
| Fungiphilic | 1 |
| Fungistat | 1 |
| Gastroirritant | 1 |
| Gastroprotective | 2 |
| Glutathionalytic | 1 |
| Glutathionigenic | 1 |
| Gram(+)icide | 4 |
| Gram(-)icide | 4 |
| GST-Inducer | 1 |
| Hallucinogenic | 1 |
| Hepatotonic | 2 |

| Activity | Chemical Count |
|-------------------------|-----------------------|
| Hepatotoxic | 1 |
| Herbicide | 8 |
| Histaminic | 1 |
| Hypocholesterolemic? | 1 |
| Hypotensive | 3 |
| Hypothermic | 1 |
| Immunomodulator | 2 |
| Immunostimulant | 1 |
| Inflammatory | 2 |
| Insecticide | 6 |
| Insectifuge | 16 |
| Insectiphile | 2 |
| Interleukin-6-Inhibitor | 2 |
| Irritant | 14 |
| Keratitigenic | 1 |
| Larvicide | 2 |
| Laxative | 1 |
| Lipolytic | 1 |
| Lipoxygenase-Inhibitor | 2 |
| Molluscicide | 1 |

| Activity | Chemical Count |
|-----------------------------------|-----------------------|
| Mosquitofuge | 1 |
| Motor-Depressant | 1 |
| Mucolytic | 1 |
| Mutagenic | 1 |
| Mycobactericide | 1 |
| Myorelaxant | 7 |
| Nematicide | 8 |
| Nematistat | 1 |
| Neoplastic | 1 |
| Nephrotoxic | 1 |
| Neuroprotective | 1 |
| Neurotoxic | 3 |
| NO-Genic | 1 |
| Ornithine-Decarboxylase-Inhibitor | 1 |
| Osteolytic | 1 |
| Ozone-Scavenger | 1 |
| P450-2B1-Inhibitor | 3 |
| P450-Inducer | 3 |
| Pediculicide | 2 |
| Perfume | 2 |

| Activity | Chemical Count |
|-------------------------|-----------------------|
| Perfumery | 16 |
| Peristaltic | 1 |
| Pesticide | 29 |
| Pheromone | 1 |
| Photosensitizer | 1 |
| Prostaglandin-Inhibitor | 1 |
| Protisticide | 1 |
| Pulifuge | 1 |
| Pulmonotoxic | 1 |
| Radioprotective | 1 |
| Rubefacient | 2 |
| Scolicide | 1 |
| Secretagogue | 2 |
| Sedative | 13 |
| Spasmogenic | 6 |
| Spasmolytic | 1 |
| Spermicide | 1 |
| Sprout-Inhibitor | 1 |
| Surfactant | 2 |
| Termiticide | 2 |

| Activity | Chemical Count |
|----------------------------------|-----------------------|
| Testosterone-Hydroxylase-Inducer | 2 |
| Toxic | 1 |
| Tracheorelaxant | 2 |
| Tranquilizer | 2 |
| Transdermal | 6 |
| Trichomonicide | 7 |
| Tyrosinase-Inhibitor | 1 |
| Ulcerogenic | 2 |
| Uricosuric | 1 |
| Urinary-Antiseptic | 1 |
| Varroacide | 1 |
| Vermicide | 1 |
| Vermifuge | 1 |
| Verrucolytic | 1 |
| Vulnerary | 1 |