

Activity	Chemical Count	Reference
<u>(-)-Chronotropic</u>	2	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
<u>(-)-Inotropic</u>	2	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
<u>11B-HSD-Inhibitor</u>	1	Duke, 1992 *
<u>12-Lipoxygenase-Inhibitor</u>	1	Duke, 1992 *
<u>5-Alpha-Reductase-Inhibitor</u>	1	Duke, 1992 *
<u>5-HETE-Inhibitor</u>	1	Duke, 1992 *
<u>5-Lipoxygenase-Inhibitor</u>	2	Duke, 1992 *
<u>8-HETE-Inhibitor</u>	1	Duke, 1992 *
<u>Abortifacient</u>	1	Duke, 1992 *
<u>Absorbent</u>	1	Martindale's 29th
<u>Acaricide</u>	6	Duke, 1992 *
<u>ACE-Inhibitor</u>	4	Duke, 1992 *
<u>Acetylcholinergic</u>	1	Duke, 1992 *
<u>AChE-Inhibitor</u>	1	Grundy, D. L. and Still, C. C., Inhibition of acetylcholinesterases by pulegone-1,2-epoxide, Oest. Biochem. & Physiol., 23, 1985, 383-8.
<u>Acidulant</u>	1	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
<u>Aldehyde-Oxidase-Inhibitor</u>	1	Duke, 1992 *
<u>Aldose-Reductase-Inhibitor</u>	10	Duke, 1992 *
<u>Allelochemic</u>	5	Duke, 1992 *
<u>Allelopathic</u>	8	Duke, 1992 *
<u>Allergenic</u>	13	Duke, 1992 *

Activity	Chemical Count	Reference
Alpha-Glucosidase-Inhibitor	1	Duke, 1992 *
Amphiglycemic?	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Analgesic	15	Duke, 1992 *
Androgenic	2	Duke, 1992 *
Androgenic?	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anesthetic	7	Duke, 1992 *
Angiogenic	1	Duke, 1992 *
Angiotensin-Receptor-Blocker	3	Duke, 1992 *
Anorexic	2	Martindale's 28th
Anthelmintic	2	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiacetylcholine	1	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Antiacylcholinesterase	6	Duke, 1992 *
Antiacne	8	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Antiacrodermatitic	1	Martindale's 29th
Antiacrodynic	1	Duke, 1992 *
Antiadenomacarcinogenic	1	Duke, 1992 *
Antiadenomic	2	Merck 11th Edition
Antiadenoviral	1	Economic & Medicinal Plant Research, 5: 207.

Activity	Chemical Count	Reference
Antiadrenalinic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiaflatoxin	5	Duke, 1992 *
AntiAGE	2	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reverse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
Antiaggregant	8	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiaging	5	Duke, 1992 *
Antiakathisic	1	Martindale's 29th
Antialcoholic	5	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiallergenic	1	Duke, 1992 *
Antiallergic	7	J. Food Hyg. Soc. Jap. 33(6): 569.
Antiallopecic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antialzheimeran	17	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antialzheimeran?	1	Grundy, D. L. and Still, C. C., Inhibition of acetylcholinesterases by pulegone-1,2-epoxide, Oest. Biochem. & Physiol., 23, 1985, 383-8.
Antiambylopia	1	Duke, 1992 *
Antiamyloid-Beta	9	Duke, 1992 *
Antianaphylactic	2	Meli, R., Autore, G., Di Carlo, G., Capasso, F. Inhibitory Action of Quercetin on Intestinal Transit in Mice. Phytotherapy Research 4(5): 201, 1990.

Activity	Chemical Count	Reference
<u>Antiandrogenic</u>	1	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
<u>Antianemic</u>	3	Martindale's 29th
<u>Antiangular</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiangiogenic</u>	6	Duke, 1992 *
<u>Antianorectic</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antianorexic</u>	1	Martindale's 29th
<u>Antianxiety</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiarabiflavinotic</u>	1	Martindale's 28th
<u>Antiarachidonate</u>	2	Duke, 1992 *
<u>Antiarrhythmic</u>	4	Duke, 1992 *
<u>Antiarteriosclerotic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiarthritic</u>	12	Duke, 1992 *
<u>Antiasthmatic</u>	11	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiatherogenic</u>	1	Duke, 1992 *
<u>Antiatherosclerotic</u>	8	Duke, 1992 *
<u>Antibacillary</u>	1	Duke, 1992 *
<u>Antibackache</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antibacterial</u>	23	Revista Itiliana Epos, 12: 5, 1994.
<u>Antiberiberi</u>	1	Duke, 1992 *
<u>AntiBPH</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antibronchitic</u>	3	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Anticancer</u>	12	Duke, 1992 *
<u>Anticancer (Breast)</u>	2	Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from <i>Vaccinium myrtillus</i> (Bilberry) Fruits and Cell Cultures. <i>Plant Sci.</i> , 131(1): 95-103.
<u>Anticancer (Cervix)</u>	3	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.
<u>Anticancer (Colon)</u>	1	Duke, 1992 *
<u>Anticancer (Duodenum)</u>	1	Duke, 1992 *
<u>Anticancer (Lung)</u>	1	Duke, 1992 *
<u>Anticancer (Mammary)</u>	1	Duke, 1992 *
<u>Anticancer (Skin)</u>	1	Duke, 1992 *
<u>Anticancer (Stomach)</u>	1	Duke, 1992 *
<u>Anticanker</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Anticarcinogenic</u>	2	Economic & Medicinal Plant Research, 6: 189.
<u>Anticarcinomic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Anticarcinomic (Breast)</u>	1	Medline (post 1990 searches filed in my computer)
<u>Anticardiospasmic</u>	1	Duke, 1992 *
<u>Anticariogenic</u>	5	Muroi, H. and Kubo, I. 1993. Combination Effects of Antibacterial Compounds in Green Tea Flavor against <i>Streptococcus mutans</i> . <i>J. Agric. Food Chem.</i> 41: 1102-1105.
<u>Anticarpal-Tunnel</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Activity	Chemical Count	Reference
Anticataract	9	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Anticatarrh	1	Martindale's 29th
Anticephalagic	2	Duke, 1992 *
Anticervicaldysplastic	3	Duke, 1992 *
AntiCFS	3	Duke, 1992 *
Anticheilitic	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antichilblain	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Anticholecystostic	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anticholeretic	1	HerbalGram No. 17.
Anticholinesterase	1	Duke, 1992 *
Anticirrhotic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticirrhotic?	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticlastogen	2	Duke, 1992 *
Anticlimacteric	4	Duke, 1992 *
Anticoeliac	1	Martindale's 28th
Anticold	2	Duke, 1992 *
Anticolic	1	Duke, 1992 *
Anticolitic	4	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anticollagenic	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Anticomplementary</u>	1	Duke, 1992 *
<u>Anticonvulsant</u>	5	Duke, 1992 *
<u>Anticorneotic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Anticoronal</u>	4	Duke, 1992 *
<u>AntiCrohn's</u>	4	Martindale's 29th
<u>AntiCTS</u>	1	Duke, 1992 *
<u>Anticystitic</u>	1	Duke, 1992 *
<u>Antidandruff</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antidecubitic</u>	3	Martindale's 28th
<u>Antideliriant</u>	1	Duke, 1992 *
<u>Antidementia</u>	5	Duke, 1992 *
<u>Antidepressant</u>	7	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antidermatitic</u>	4	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Antidiabetic</u>	11	Duke, 1992 *
<u>Antidiarrheic</u>	1	Wealth of India.
<u>Antidiscotic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antidote (Aluminum)</u>	2	Economic & Medicinal Plant Research, 6: 189.
<u>Antidote (Cadmium)</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antidote (Iodine)</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activity	Chemical Count	Reference
<u>Antidote (Lead)</u>	3	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antidote (Mercury)</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antidote (Paraquat)</u>	1	Martindale's 28th
<u>Antidysenteric</u>	1	Wealth of India.
<u>Antidysgeuzic</u>	1	Duke, 1992 *
<u>Antidyskinetic</u>	1	Martindale's 28th
<u>Antidysmenorrheic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antidyspeptic</u>	1	Duke, 1992 *
<u>Antidysphagic</u>	1	Duke, 1992 *
<u>AntiEBV</u>	1	Duke, 1992 *
<u>Antieczemic</u>	4	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiedemic</u>	10	Shimizu,*M., et al. 1990. Anti-inflammatory Constituents of Topically Applied Crude Drugs. IV.1) Constituents and Anti-inflammatory Effect of Paraguayan Crude Drug 'Alhucema' (<i>Lavandula latifolia</i> Vill.)2). <i>Chem. Pharm. Bull.</i> 38(8): 2283-2284, 1990.
<u>Antieicosanoid</u>	1	Duke, 1992 *
<u>Antielastase</u>	2	Duke, 1992 *
<u>Antiemetic</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Antiencephalitic</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiencephalopathic</u>	2	Martindale's 29th
<u>Antiendometriotic</u>	2	Duke, 1992 *
<u>Antienterotic</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antiepileptic</u>	4	Duke, 1992 *
<u>Antiescherichic</u>	3	Duke, 1992 *
<u>Antiesophagitic</u>	2	Martindale's 29th
<u>Antiestrogenic</u>	3	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
<u>Antifatigue</u>	8	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antifeedant</u>	10	Duke, 1992 *
<u>Antifertility</u>	2	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
<u>Antifibromyalgic</u>	1	Duke, 1992 *
<u>Antifibrosarcomic</u>	1	Duke, 1992 *
<u>Antifibrotic</u>	1	Martindale's 28th
<u>Antifibrotic</u>	3	Duke, 1992 *
<u>Antiflu</u>	5	Economic & Medicinal Plant Research, 5: 195.
<u>Antifuruncular</u>	1	Martindale's 28th
<u>Antigallstone</u>	1	Duke, 1992 *
<u>Antigastric</u>	1	Rastitel'nye Resursy, 21: 85.
<u>Antigastritic</u>	2	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Antigastrotic</u>	1	Duke, 1992 *
<u>Antigenotoxic</u>	1	Duke, 1992 *
<u>Ant gingivitic</u>	1	Duke, 1992 *
<u>Antiglaucomic</u>	2	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Activity	Chemical Count	Reference
<u>Antiglossitic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiglutamaergic</u>	1	Duke, 1992 *
<u>Antiglycosuric</u>	1	Duke, 1992 *
<u>Antigonadotrophic</u>	1	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
<u>Antigonadotropic</u>	2	Jim Duke's personal files.
<u>Antigout</u>	1	Duke, 1992 *
<u>AntiGTF</u>	1	Duke, 1992 *
<u>Antihalitotic</u>	1	American Health, 12(4): 17, 1993.
<u>Antihangover</u>	5	Duke, 1992 *
<u>Antiheartburn</u>	1	Duke, 1992 *
<u>Antihemolytic</u>	1	Ohnishi, M., Morishita, H., Iwahashi, H., Toda, S., Shirataki, Y., Kimura, M., and Kido, R. 1993. Inhibitory Effects of Chlorogenic Acids on Linoleic Acid Peroxidation and Haemolysis. Phytochemistry. 36(3): 579-583. 1994.
<u>Antihemorrhagic</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antihepatitic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antihepatoadenomic</u>	1	Duke, 1992 *
<u>Antihepatotoxic</u>	1	Duke, 1992 *
<u>Antihepatotoxic</u>	7	Economic & Medicinal Plant Research, 6: 189.
<u>Antiherpetic</u>	7	Duke, 1992 *
<u>Antiherpetic?</u>	1	Duke, 1992 *
<u>Antihistaminic</u>	6	Duke, 1992 *
<u>AntiHIV</u>	5	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antihydrophobic</u>	1	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
<u>Antihyperactivity</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antihypercholesterolemic</u>	1	Economic & Medicinal Plant Research, 6: 189.
<u>Antihyperkeratotic</u>	1	Duke, 1992 *
<u>Antihyperkinetic</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antihyperlipoproteinaemic</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Antihypertensive</u>	6	Duke, 1992 *
<u>Antihyperthyroid</u>	1	Duke, 1992 *
<u>Antihypoglycemic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiichthyotic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiimpotence</u>	1	Martindale's 29th
<u>Antiinfarctal</u>	1	Soumyanath, A. Ed. 2006. Traditional Medicines for Modern Times - Antidiabetic Plants. CRC Press, Taylor & Francis Group. Boca Raton, FL. 314 pp.
<u>Antiinfective</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiinfertility</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Activity	Chemical Count	Reference
<u>Antiinflammatory</u>	37	Shimizu,*M., et al. 1990. Anti-inflammatory Constituents of Topically Applied Crude Drugs. IV.1) Constituents and Anti-inflammatory Effect of Paraguayan Crude Drug 'Alhucema' (<i>Lavandula latifolia</i> Vill.)2). <i>Chem. Pharm. Bull.</i> 38(8): 2283-2284, 1990.
<u>Antiinsomniac</u>	3	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiinsomnic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiintegrase</u>	1	Duke, 1992 *
<u>Antiischemic</u>	3	Duke, 1992 *
<u>Antikeratitic</u>	1	Duke, 1992 *
<u>Antikeratotic</u>	1	Duke, 1992 *
<u>Antikeshan</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiketotic</u>	2	Merck 11th Edition
<u>Antilaryngitic</u>	1	Duke, 1992 *
<u>AntiLegionella</u>	2	Duke, 1992 *
<u>Antileishmanic</u>	5	Duke, 1992 *
<u>Antilepric</u>	2	Martindale's 28th
<u>Antileukemic</u>	10	Duke, 1992 *
<u>Antileukonychic</u>	1	Duke, 1992 *
<u>Antileukopenic</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Antileukoplakic</u>	1	Duke, 1992 *
<u>Antileukotriene</u>	5	Duke, 1992 *
<u>Antilipoperoxidant</u>	5	Duke, 1992 *
<u>Antilithic</u>	4	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antilithic?</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Antilupus</u>	1	Martindale's 28th
<u>AntiLyme</u>	5	Duke, 1992 *
<u>Antilymphocytic</u>	1	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<u>Antilymphomeric</u>	5	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
<u>Antimaculitic</u>	5	Duke, 1992 *
<u>Antimalarial</u>	1	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.
<u>Antimange</u>	1	Duke, 1992 *
<u>Antimastalgic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antimastitic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antimeasles</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antimelanogenic</u>	2	Duke, 1992 *
<u>Antimelanomic</u>	3	Duke, 1992 *
<u>AntiMeniere's</u>	1	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<u>Antimenopausal</u>	4	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antimenorrhagic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antimetastatic</u>	4	Duke, 1992 *
<u>Antimetastatic (Stomach)</u>	1	Duke, 1992 *
<u>Antimigraine</u>	4	Martindale's 29th
<u>Antomite</u>	1	Duke, 1992 *
<u>Antimitotic</u>	2	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
<u>Antimital-valve-prolapse</u>	1	Duke, 1992 *
<u>AntiMS</u>	1	Duke, 1992 *
<u>Antimutagenic</u>	15	Economic & Medicinal Plant Research, 6: 235.
<u>Antimyalgic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antimyocarditic</u>	2	Economic & Medicinal Plant Research, 5: 199.
<u>Antinauseant</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Antinephrolytic</u>	1	Duke, 1992 *
<u>Antinesidioblastosic</u>	1	Martindale's 29th
<u>Antineuronalgic</u>	3	Martindale's 28th
<u>Antineuramidase</u>	1	Duke, 1992 *
<u>Antineurasthenic</u>	1	Duke, 1992 *
<u>Antineuritic</u>	1	Duke, 1992 *
<u>Antineuropathic</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Activity	Chemical Count	Reference
<u>Antineurotic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>AntiNF-kB</u>	1	Duke, 1992 *
<u>Antinitrosaminic</u>	6	Ki Soon Rhee. Oilseed Food Ingredients Used To Minimize Oxidative Flavor Deterioration in Meat Products. Phenolic Compounds in Food and Their Effects on Health, Ch.18.
<u>Antinitrosating</u>	3	Duke, 1992 *
<u>Antinitrosic</u>	1	Martindale's 28th
<u>AntiNKC</u>	1	Duke, 1992 *
<u>Antinociceptive</u>	4	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antinyctalopic</u>	1	Duke, 1992 *
<u>Antiobesity</u>	6	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antionychytopic</u>	2	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
<u>Antiophidic</u>	5	Economic & Medicinal Plant Research, 5: 363.
<u>Antiorchitic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiostearthritic</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiosteoporotic</u>	9	Duke, 1992 *
<u>Antiotitic</u>	1	Duke, 1992 *
<u>Antiototic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antioxidant</u>	27	Jim Duke's personal files.
<u>Antiozenic</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antipancreatic</u>	1	Joseph, J., Nadeau, D. and Underwood, A. 2001. <i>The Color Code</i> . Hyperion, NY.
<u>Antipapillomic</u>	4	Duke, 1992 *
<u>Antiparkinsonian</u>	4	Duke, 1992 *
<u>Antiparotitic</u>	1	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
<u>Antipellagric</u>	2	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
<u>Antiperiodontal</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiperiodontic</u>	3	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
<u>Antiperistaltic</u>	1	Duke, 1992 *
<u>Antipermeability</u>	1	Duke, 1992 *
<u>Antiperoxidant</u>	7	Planta Medica, 57: A54, 1991.
<u>Antipharyngitic</u>	2	Duke, 1992 *
<u>Antiphotophobic</u>	2	Martindale's 29th
<u>Antipityriasic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiplaque</u>	4	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiplasmodial</u>	1	Duke, 1992 *
<u>AntiPMS</u>	5	Duke, 1992 *
<u>Antipneumonic</u>	2	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).

Activity	Chemical Count	Reference
<u>Antipodriac</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antipolio</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antipoliomyelic</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiporphyric</u>	1	Martindale's 28th
<u>Antiprogestational</u>	1	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
<u>Antiprolactin</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiproliferant</u>	9	Duke, 1992 *
<u>Antiprostaglandin</u>	5	Duke, 1992 *
<u>Antiprostanoid</u>	1	Duke, 1992 *
<u>Antiprostatadenomic</u>	1	Merck 11th Edition
<u>Antiprostatic</u>	3	Duke, 1992 *
<u>Antiprostatotic</u>	1	Duke, 1992 *
<u>Antipruritic</u>	1	Merck 11th Edition
<u>Antipsoriac</u>	2	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antipsoriatic</u>	1	Duke, 1992 *
<u>Antipyretic</u>	8	Duke, 1992 *
<u>Antiradicular</u>	11	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>AntiRaynaud's</u>	3	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antiretinopathic</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antiretinotic</u>	2	Duke, 1992 *
<u>Antirheumatalgic</u>	1	Martindale's 28th
<u>Antirheumatic</u>	7	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antirhinitic</u>	2	Duke, 1992 *
<u>Antirhinoviral</u>	3	Denyer, C.V., Jackson, P., Loakes, D.M., Ellis, M.R., and Yound, D.A.B. Isolation of Antirhinoviral Sesquiterpenes From Ginger (<i>Zingiber officinale</i>). Journal of Natural Products, 57(5): 658-662, 1994.
<u>Antisalmonella</u>	2	Duke, 1992 *
<u>Antisarcomic</u>	2	Duke, 1992 *
<u>Antiscorbutic</u>	1	Martindale's 28th
<u>Antiscotomic</u>	1	Duke, 1992 *
<u>Antiseptic</u>	18	Merck 11th Edition
<u>Antishingles</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antishock</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Antisickling</u>	1	Planta Medica, 56(6): 681, 1990.
<u>Antisinusitic</u>	1	Duke, 1992 *
<u>Antispase-Tire</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antispasmodic</u>	22	Fitoterapia No.59-1984.

Activity	Chemical Count	Reference
<u>Antispasmophilic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antistaphylococcic</u>	7	Duke, 1992 *
<u>Antistomatinic</u>	2	Economic & Medicinal Plant Research, 5: 207.
<u>Antistreptococcic</u>	2	Duke, 1992 *
<u>Antistress</u>	5	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antistroke</u>	3	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antisunburn</u>	1	Duke, 1992 *
<u>Antisyndrome-X</u>	6	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antithiamin</u>	2	Phenolic Compounds in Food and Their Effects on Health, 69.
<u>Antithrombic</u>	1	Duke, 1992 *
<u>Antithrombotic</u>	1	Duke, 1992 *
<u>Antithromboxane</u>	2	Lawrence Review of Natural Products, Jul-87.
<u>Antithyroid</u>	1	Jim Duke's personal files.
<u>Antitic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antitinnitic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>AntiTNF</u>	3	Duke, 1992 *
<u>Antitriglyceride</u>	2	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Activity	Chemical Count	Reference
<u>Antitrypanosomic</u>	1	Duke, 1992 *
<u>Antituberculic</u>	1	Duke, 1992 *
<u>Antitumor</u>	17	Zheng, G-Q., Kenney, P.M., and Lam, L.K.T. Sesquiterpenes From Clove (<i>Eugenia caryophyllata</i>) As Potential Anticarcinogenic Agents. <i>Journal of Natural Products</i> 55(7): 999-1003, 1992.
<u>Antitumor (Bladder)</u>	2	Duke, 1992 *
<u>Antitumor (brain)</u>	1	Duke, 1992 *
<u>Antitumor (Breast)</u>	5	Duke, 1992 *
<u>Antitumor (Cervix)</u>	3	Duke, 1992 *
<u>Antitumor (CNS)</u>	1	Duke, 1992 *
<u>Antitumor (Colon)</u>	5	Duke, 1992 *
<u>Antitumor (Gastric)</u>	1	Duke, 1992 *
<u>Antitumor (Liver)</u>	1	Duke, 1992 *
<u>Antitumor (Lung)</u>	5	Duke, 1992 *
<u>Antitumor (Mouth)</u>	1	Duke, 1992 *
<u>Antitumor (Ovary)</u>	1	Duke, 1992 *
<u>Antitumor (Pancreas)</u>	1	Duke, 1992 *
<u>Antitumor (Prostate)</u>	4	Duke, 1992 *
<u>Antitumor (Skin)</u>	3	Duke, 1992 *
<u>Antitumor (Stomach)</u>	3	Duke, 1992 *
<u>Antitumor-Promoter</u>	8	Cancer Research, 48: 5941.
<u>Antitussive</u>	4	Duke, 1992 *
<u>Antiulcer</u>	14	Duke, 1992 *
<u>Antiulcerogenic</u>	2	Duke, 1992 *
<u>Antiuricosuric</u>	1	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.

Activity	Chemical Count	Reference
<u>Antivaccinia</u>	1	Economic & Medicinal Plant Research, 5: 207.
<u>Antivaricose</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Antivertigo</u>	1	Duke, 1992 *
<u>Antiviral</u>	14	Duke, 1992 *
<u>Antiviral?</u>	1	Martindale's 29th
<u>AntiX-Radiation</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Antixerophthalmic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiyeast</u>	1	Duke, 1992 *
<u>Anxiolytic</u>	6	Duke, 1992 *
<u>AP-1-Inhibitor</u>	1	Duke, 1992 *
<u>Apifuge</u>	1	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
<u>Apoptotic</u>	7	Duke, 1992 *
<u>Artemicide</u>	2	Jung, J.H., Pummangura, S., Chaichantipyuth, c., Patarapanich, C., and McLaughlin, J.L. 1989. Bioactive Constituents of Melodorum fruticosum. Phytochemistry. 29(5): 1667-1670. 1990.
<u>Ascaricide</u>	1	Duke, 1992 *
<u>Asthma-preventive</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Astringent</u>	1	Martindale's 28th
<u>ATPase-Inhibitor</u>	1	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

Activity	Chemical Count	Reference
<u>Bacteristat</u>	1	Duke, 1992 *
<u>Barbituate-Synergist</u>	1	Duke, 1992 *
<u>Beta-Adrenergic Receptor Blocker</u>	1	Duke, 1992 *
<u>Beta-Blocker</u>	2	Duke, 1992 *
<u>Beta-Glucuronidase-Inhibitor</u>	1	Duke, 1992 *
<u>Bradycardiac</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Bronchoprotectant</u>	1	Duke, 1992 *
<u>Bronchorelaxant</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Calcium-Antagonist</u>	4	Duke, 1992 *
<u>Calcium-Channel-Blocker</u>	2	Duke, 1992 *
<u>Calmodulin-Antagonist</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>cAMP-Phosphodiesterase-Inhibitor</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Cancer-Preventive</u>	20	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
<u>Candidicide</u>	8	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
<u>Candidstat</u>	2	Duke, 1992 *
<u>Capillariprotective</u>	1	Merck 11th Edition
<u>Carcinogenic</u>	4	Duke, 1992 *
<u>Carcinogenic?</u>	1	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

Activity	Chemical Count	Reference
<u>Cardiodepressant</u>	2	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
<u>Cardiomyopathogenic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Cardioprotective</u>	11	Duke, 1992 *
<u>Cardiotonic</u>	1	Duke, 1992 *
<u>Cardiotoxic</u>	1	Duke, 1992 *
<u>Carminative</u>	4	Yamamoto, A., Umemori, S., and Muranishi, S. 1993. Absorption Enhancement of Intrapulmonary Administered Insulin by Various Absorption Enhancers and Protease Inhibitors in Rats. <i>J. Pharm. Pharmacol.</i> 46: 14-18, 1994.
<u>Caspase-8-Inducer</u>	1	Duke, 1992 *
<u>Catabolic</u>	1	Duke, 1992 *
<u>Chelator</u>	1	Duke, 1992 *
<u>Chemopreventive</u>	6	Duke, 1992 *
<u>Cholagogue</u>	6	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
<u>Choleretic</u>	10	Duke, 1992 *
<u>Cholesterolytic</u>	1	Duke, 1992 *
<u>Cicatrizant</u>	1	Duke, 1992 *
<u>Circulotonic</u>	2	Duke, 1992 *
<u>Clastogenic</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activity	Chemical Count	Reference
<u>CNS-Active</u>	1	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
<u>CNS-Depressant</u>	3	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>CNS-Stimulant</u>	3	Duke, 1992 *
<u>CNS-Toxic</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Co-carcinogenic</u>	1	Duke, 1992 *
<u>Cold-preventive</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Coleoptophile</u>	1	Duke, 1992 *
<u>Collagen-Sparing</u>	1	Duke, 1992 *
<u>Collagenic</u>	2	Duke, 1992 *
<u>Colorant</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>COMT-Inhibitor</u>	1	Duke, 1992 *
<u>Contraceptive</u>	1	Martindale's 28th
<u>Convulsant</u>	2	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That: The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.
<u>Copper-Antagonist</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reverse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95

Activity	Chemical Count	Reference
<u>Copper-Chelator</u>	1	Duke, 1992 *
<u>Cosmetic</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Counterirritant</u>	2	Martindale's 28th
<u>COX-1-Inhibitor</u>	2	Duke, 1992 *
<u>COX-2-Inhibitor</u>	7	Duke, 1992 *
<u>Culicide</u>	2	Duke, 1992 *
<u>Cyclooxygenase-Inhibitor</u>	2	Duke, 1992 *
<u>Cytochrome-P450-1A2-Inhibitor</u>	1	Duke, 1992 *
<u>Cytochrome-P450-Inducer</u>	1	Duke, 1992 *
<u>Cytochrome-P450-Inhibitor</u>	2	Pizzorno, J. 1998. Total Wellness. Prima Health, a division of Prima.
<u>Cytoprotective</u>	1	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
<u>Cytotoxic</u>	11	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Decongestant</u>	2	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
<u>Degranulant</u>	1	Duke, 1992 *
<u>Deiodinase-Inhibitor</u>	1	Jim Duke's personal files.
<u>Deliriant</u>	1	Merck 11th Edition
<u>Dentifrice</u>	1	Martindale's 29th
<u>Deodorant</u>	3	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.

Activity	Chemical Count	Reference
<u>Depressant</u>	1	Cooper-Driver, G. A., Chemical substances in plants toxic to animals, pp. 213-47 in Rechcigl, M., Jr., ed. CRC Handbook of Naturally Occurring Food Toxicants, CRC Press, Boca Raton, 1983, 339 pp.
<u>Dermal</u>	2	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Dermatitigenic</u>	2	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Detoxicant</u>	3	Duke, 1992 *
<u>Detoxicant (Alcohol)</u>	1	Duke, 1992 *
<u>Diaphoretic?</u>	2	Lawrence Review of Natural Products, Dec-90.
<u>Differentiator</u>	1	Duke, 1992 *
<u>Diuretic</u>	6	Duke, 1992 *
<u>DNA-Active</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>DNA-Protective</u>	5	Duke, 1992 *
<u>Dye</u>	1	Merck 11th Edition
<u>Ecbolic</u>	1	Duke, 1992 *
<u>Edemagenic</u>	1	Duke, 1992 *
<u>Emetic</u>	4	Duke, 1992 *
<u>Emollient</u>	1	Martindale's 29th
<u>Energizer</u>	1	Duke, 1992 *
<u>Enterococontractant</u>	1	J. Aromatherapy 4: 22.
<u>Enterorelaxant</u>	1	J. Aromatherapy 4: 22.

Activity	Chemical Count	Reference
<u>Epileptogenic</u>	1	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
<u>Ergogenic</u>	1	Duke, 1992 *
<u>Erythrocytogenic</u>	1	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
<u>Estrogenic</u>	4	Duke, 1992 *
<u>Expectorant</u>	10	Duke, 1992 *
<u>Febrifuge</u>	1	Neuwinger, H. D. 1996. <i>African Ethnobotany - Poisons and Drugs</i> . Chapman & Hall, New York. 941 pp.
<u>Fibrinolytic</u>	2	Duke, 1992 *
<u>Fistula-Preventive</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>FLavor</u>	17	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
<u>Fungicide</u>	20	Keeler, R.F. and Tu, A.T. eds. 1991. <i>Toxicology of Plant and Fungal Compounds</i> . (Handbook of Natural Toxins Vol. 6) Marcel Dekker, Inc. NY. 665 pp.
<u>Fungiphilic</u>	1	J. Agric. Food Chem. 43: 2283.
<u>Fungistat</u>	1	Duke, 1992 *
<u>GABA-nergic</u>	1	Duke, 1992 *
<u>Gastroprotective</u>	3	Duke, 1992 *
<u>Glucosyl-Transferase-Inhibitor</u>	1	Duke, 1992 *
<u>Glutathione-Depleting</u>	1	Duke, 1992 *
<u>Glutathionigenic</u>	1	Duke, 1992 *
<u>Gonadotrophic</u>	1	Malini, T. and Vanithakumari, G. 1989. <i>Rat Toxicity Studies With B-Sitosterol</i> . Journal of Ethnopharmacology, 28: 221-234, 1990.

Activity	Chemical Count	Reference
<u>Gram(+)icide</u>	1	Duke, 1992 *
<u>Gram(-)icide</u>	1	Duke, 1992 *
<u>GST-Inducer</u>	1	Duke, 1992 *
<u>Hemolytic</u>	1	Duke, 1992 *
<u>Hemostat</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Hepatocarcinogenic</u>	1	Duke, 1992 *
<u>Hepatomagenic</u>	1	Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
<u>Hepatoprotective</u>	9	Duke, 1992 *
<u>Hepatoregenerative</u>	1	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
<u>Hepatotonic</u>	2	Duke, 1992 *
<u>Hepatotoxic</u>	2	Duke, 1992 *
<u>Hepatotropic</u>	1	Duke, 1992 *
<u>Herbicide</u>	9	Keeler, R.F. and Tu, A.T. eds. 1991. Toxicology of Plant and Fungal Compounds. (Handbook of Natural Toxins Vol. 6) Marcel Dekker, Inc. NY. 665 pp.
<u>Histamine-Inhibitor</u>	1	Duke, 1992 *
<u>Histaminic</u>	1	Duke, 1992 *
<u>HIV-RT-Inhibitor</u>	1	Nakane, H., Fukushima, M., and Ono*, K. Differential Inhibition Of Reverse Transcriptase And Various DNA Polymerases By Digallic Acid And Its Derivatives. Journal of Natural Products, 53(5): 1234-1240, 1990.
<u>Hyperglycemic</u>	2	Merck 11th Edition

Activity	Chemical Count	Reference
<u>Hypertensive</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Hypnotic</u>	1	Duke, 1992 *
<u>Hypocholesterolemic</u>	12	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Hypocholesterolemic?</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>Hypoglycemic</u>	8	Ivorra, M.D., Paya, M., and Villar, A. 1989. A Review of Natural Products and Plants as Potential Antidiabetic Drugs. Journal of Ethnopharmacology, 27: 243-275, 1989.
<u>Holoplipidemic</u>	3	Duke, 1992 *
<u>Hypotensive</u>	9	Duke, 1992 *
<u>Hypothermic</u>	2	Duke, 1992 *
<u>Hypotriglyceridemic</u>	1	Duke, 1992 *
<u>Hypouricemic</u>	1	Duke, 1992 *
<u>I kappa B-alpha-Phosphorylation-Inhibitor</u>	1	Duke, 1992 *
<u>IKB-kinase-Inhibitor</u>	1	Duke, 1992 *
<u>IKK-Inhibitor</u>	1	Duke, 1992 *
<u>Immunomodulator</u>	8	Duke, 1992 *
<u>Immunostimulant</u>	9	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Basty College Publications, Seattle, Washington (Looseleaf).
<u>Immunosuppressant</u>	2	Duke, 1992 *
<u>Inflammatory</u>	1	Duke, 1992 *
<u>Inhalant</u>	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<u>iNOS-Inhibitor</u>	3	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Inotropic</u>	1	Duke, 1992 *
<u>Insect-Repellent</u>	2	Duke, 1992 *
<u>Insecticide</u>	8	Duke, 1992 *
<u>Insectifuge</u>	20	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
<u>Insectiphile</u>	2	Pakistan Encyclopedia Planta Medica. 1986.
<u>Insulin-Sparing</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Insulinogenic</u>	4	Duke, 1992 *
<u>Interferon-Synergist</u>	1	Duke, 1992 *
<u>Interferonogenic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Interleukin-6-Inhibitor</u>	2	Duke, 1992 *
<u>Irritant</u>	14	Duke, 1992 *
<u>Juvabional</u>	2	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
<u>Larvicide</u>	4	Duke, 1992 *
<u>Larvistat</u>	1	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
<u>Laxative</u>	8	Duke, 1992 *
<u>Leptogenic</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reserve insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Leukotriene-Inhibitor</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Lipase-Inducer</u>	1	Duke, 1992 *
<u>Lipolytic</u>	1	Duke, 1992 *
<u>Lipoxygenase-Inhibitor</u>	4	Oszmianski, J. and Lee, C.Y. 1990. Inhibitory Effect of Phenolics on Carotene Bleaching in Vegetables. <i>J. Agric. Food Chem.</i> 38: 688-690.
<u>Lithogenic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Litholytic</u>	2	Duke, 1992 *
<u>Lyase-Inhibitor</u>	1	Duke, 1992 *
<u>Maltase-Promoter</u>	1	Duke, 1992 *
<u>MAO-A-Inhibitor</u>	1	Duke, 1992 *
<u>Mast-Cell-Stabilizer</u>	1	Duke, 1992 *
<u>MDR-Inhibitor</u>	1	Duke, 1992 *
<u>Memorigenic</u>	1	Duke, 1992 *
<u>Memory-Enhancer</u>	1	Science News, 138: 189, 1990.
<u>Metal-Chelator</u>	2	McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. <i>Phenolic Compounds in Food and Their Effects on Health</i> , Ch.25.
<u>Metal-Chelator (Copper)</u>	1	Seidel, V., Verholle, M., Malard, Y., Tillequin, F., Fruchart, J-C., Duriez, P., Bailleul, F., Teissier, E. 2000. Phenylpropanoids from <i>Ballota nigra L.</i> Inhibit in vitro LDL Peroxidation. <i>Phytotherapy Research</i> , 14(2): 93-98.
<u>Metalloproteinase-Inhibitor</u>	1	Duke, 1992 *
<u>MMP-9-Inhibitor</u>	2	Duke, 1992 *
<u>Mosquitocide</u>	1	Duke, 1992 *
<u>Mosquitofuge</u>	2	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Motor-Depressant</u>	3	Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. Bioactive Volatile Compounds from Plants. ACS Symposium Series 525. Amer. Chem. Soc., Washington DC
<u>Motor-Stimulant</u>	1	Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. Bioactive Volatile Compounds from Plants. ACS Symposium Series 525. Amer. Chem. Soc., Washington DC
<u>Mucogenic</u>	3	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Mucolytic</u>	1	Martindale's 28th
<u>Mutagenic</u>	1	Duke, 1992 *
<u>Myorelaxant</u>	4	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>NADH-Oxidase-Inhibitor</u>	1	Duke, 1992 *
<u>Nematicide</u>	12	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
<u>Neoplastic</u>	1	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<u>NEP-Inhibitor</u>	1	Duke, 1992 *
<u>Nephrotoxic</u>	1	Duke, 1992 *
<u>Neuroprotective</u>	4	Duke, 1992 *
<u>Neurotoxic</u>	2	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.

Activity	Chemical Count	Reference
Neurotransmitter	1	Duke, 1992 *
NF-kB-Inhibitor	4	Duke, 1992 *
NO-Genic	1	Duke, 1992 *
NO-Inhibitor	2	Duke, 1992 *
NO-Scavenger	3	Duke, 1992 *
NO-Synthase-Inhibitor	1	Duke, 1992 *
Occuloritant	1	Duke, 1992 *
Ornithine-Decarboxylase-Inhibitor	5	Hagerman, A.E. Tannin-Protein Interactions. Phenolic Compounds in Food and Their Effects on Health, Ch.19.
Osteogenic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Ovulant	1	Duke, 1992 *
Ozone-Scavenger	1	Duke, 1992 *
P450-2B1-Inhibitor	3	Duke, 1992 *
P450-Inducer	3	Duke, 1992 *
P450-Inhibitor	2	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Pediculicide	1	Duke, 1992 *
Perfume	1	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Perfumery	14	Merck 11th Edition
Peristaltic	1	Duke, 1992 *
Pesticide	39	Duke, 1992 *
PGE2-Inhibitor	2	Duke, 1992 *
Phagocytotic	4	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Basty College Publications, Seattle, Washington (Looseleaf).
Phospholipase-Inhibitor	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Photosensitizer</u>	1	Rinzler, C. A. 1990. The Complete Book of Herbs, Spices and Condiments. Facts on File, New York. 199 pp.
<u>Phototoxic</u>	1	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
<u>Plasmodicide</u>	4	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
<u>Polyamine-Synthesis-Inhibitor</u>	1	Duke, 1992 *
<u>Poultice</u>	1	Martindale's 29th
<u>Proliferant</u>	1	Duke, 1992 *
<u>Prooxidant</u>	4	Duke, 1992 *
<u>Prostaglandigenic</u>	3	Duke, 1992 *
<u>Prostaglandin-Sparer</u>	1	Fujita, T., Nakatani, E., Funaishi, N., Sakuma, S., Fujimoto, Y. Potent inhibition of prostaglandin inactivation in rabbit gastric antral mucosal slices by selenium ions in-vitro. <i>J. Pharm. Pharmacol.</i> 42: 655-657, 1990.
<u>Prostaglandin-Synthesis-Inhibitor</u>	5	Duke, 1992 *
<u>Protease-Inhibitor</u>	1	Duke, 1992 *
<u>Protein-Kinase-C-Inhibitor</u>	3	Naim, M., Zehavi, U., Nagy, S., and Rouseff, R.L. Hydroxycinnamic Acids as Off-Flavor Precursors in Citrus Fruits and Their Products. Phenolic Compounds in Food and Their Effects on Health, Ch.14.
<u>Protein-Kinase-Inhibitor</u>	1	Duke, 1992 *
<u>PTK-Inhibitor</u>	2	Duke, 1992 *
<u>Pulmonoprotective</u>	1	Duke, 1992 *
<u>Quinone-Reductase-Inducer</u>	4	Singletary, K., et al. 1998. Effect of the Beta-Diketones Diferoloylmethane (Curcumin) and Dibenzoylmethane on Rat Mammary DNA Adducts and Tumors Induced by 7,12-dimethylbenz(A)anthracene. <i>Carcinogenesis</i> , 19(6): 1039-1043.

Activity	Chemical Count	Reference
<u>Radioprotective</u>	1	Duke, 1992 *
<u>RES-Activator</u>	2	Duke, 1992 *
<u>Respirainhibitor</u>	1	Merck 11th Edition
<u>Respirastimulant</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Rubefacient</u>	2	Duke, 1992 *
<u>Schizophrenogenic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Secretagogue</u>	2	Duke, 1992 *
<u>Sedative</u>	13	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
<u>Serotonergic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Sortase-A-Inhibitor</u>	3	Duke, 1992 *
<u>Spasmogenic</u>	5	Fitoterapia No.59-1984.
<u>Spermicide</u>	1	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
<u>Spermigenic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Stimulant</u>	1	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.
<u>Stomachic</u>	2	Duke, 1992 *
<u>Sucrase-Promoter</u>	1	Duke, 1992 *
<u>Sunscreen</u>	1	Lazarova*, G., Kostova, I., Neychev, H. 1992. Photodynamic damage prevention by some hydroxycoumarins. Fitoterapia 64(2): 134-136, 1993.

Activity	Chemical Count	Reference
Surfactant	1	Duke, 1992 *
Sweetener	1	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Teratologic	1	Duke, 1992 *
Termiticide	2	Duke, 1992 *
Termitifuge	2	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Testosterone-Hydroxylase-Inducer	1	Duke, 1992 *
Testosteronigenic	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Thymoprotective	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
TNF-alpha-Inhibitor	1	Duke, 1992 *
TNF-Inhibitor	1	Duke, 1992 *
Topoisomerase-I-Inhibitor	4	Duke, 1992 *
Topoisomerase-II-Inhibitor	4	Duke, 1992 *
Tranquilizer	4	Lawrence Review of Natural Products, Jun-90.
Transdermal	7	Duke, 1992 *
Trichomonicide	5	Martindale's 29th
Trichomonistat	1	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Trypsin-Enhancer	1	Lawrence Review of Natural Products, Dec-93.
Tumor-Promoter	1	Duke, 1992 *
Tumorigenic	2	Jim Duke's personal files.
Tyrosinase-Inhibitor	4	Duke, 1992 *

Activity	Chemical Count	Reference
Tyrosine-Kinase-Inhibitor	1	Economic & Medicinal Plant Research, 6: 170.
Ubiquiot	5	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Ulcerogenic	3	Phytotherapy Research, 4: 93.
Ulcerogenic?	1	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Uricosuric	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Urinary-Acidulant	1	Martindale's 29th
Uterorelaxant	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Varroacide	1	Duke, 1992 *
Vasodilator	8	Duke, 1992 *
VEGF-Inhibitor	3	Duke, 1992 *
Vermifuge	2	Duke, 1992 *
Verrucolytic	1	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Vibriocide	1	Wealth of India.
Vulnerary	4	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Xanthine-Oxidase-Inhibitor	2	Chem. & Pharm. Bull. 38: 1772.