

Activity	Chemical Count	Reference
<u>11B-HSD-Inhibitor</u>	1	Duke, 1992 *
<u>5-Lipoxygenase-Inhibitor</u>	1	Duke, 1992 *
<u>ACE-Inhibitor</u>	1	Duke, 1992 *
<u>Aldehyde-Oxidase-Inhibitor</u>	1	Duke, 1992 *
<u>Aldose-Reductase-Inhibitor</u>	2	Duke, 1992 *
<u>Allelochemic</u>	2	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>Allergenic</u>	2	Duke, 1992 *
<u>Analgesic</u>	4	Duke, 1992 *
<u>Angiotensin-Receptor-Blocker</u>	1	Duke, 1992 *
<u>Anorexic</u>	1	Forest H. Nielsen, USDA, Grand Forks, various publications.
<u>Antiacne</u>	1	Duke, 1992 *
<u>Antiacrodermatitic</u>	1	Martindale's 29th
<u>Antiaflatoxin</u>	1	Duke, 1992 *
<u>Antiaggregant</u>	2	Duke, 1992 *
<u>Antiaging</u>	1	Duke, 1992 *
<u>Antiakathisic</u>	1	Martindale's 29th
<u>Antialcoholic</u>	3	Forest H. Nielsen, USDA, Grand Forks, various publications.
<u>Antiallergic</u>	2	Duke, 1992 *
<u>Antialopecic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antialzheimeran</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antianaphylactic</u>	1	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>Antianemic</u>	3	Martindale's 29th
<u>Antiangular</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiangiogenic</u>	2	Duke, 1992 *
<u>Antianorectic</u>	1	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>Antiarrhythmic</u>	4	Duke, 1992 *
<u>Antiarthritic</u>	7	Duke, 1992 *
<u>Antiasthmatic</u>	2	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiatherosclerotic</u>	4	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antibacterial</u>	3	Duke, 1992 *
<u>AntiBPH</u>	1	Duke, 1992 *
<u>Anticancer</u>	1	Ringbom, T., Seguar, L., Noreen, Y., Perera, P., Bohlin, L. 1998. Ursolic Acid from Plantago major, a Selective Inhibitor of Cyclooxygenase-2 Catalyzed Prostaglandin Biosynthesis. <i>J. Nat. Prod.</i> , 61(10): 1212-1215.
<u>Anticancer (Colon)</u>	2	Duke, 1992 *
<u>Anticancer (Forestomach)</u>	1	Duke, 1992 *
<u>Anticancer (Liver)</u>	1	Duke, 1992 *
<u>Anticancer (Skin)</u>	1	Duke, 1992 *
<u>Anticanker</u>	2	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Anticarcinogenic</u>	1	Duke, 1992 *
<u>Anticarcinomic</u>	1	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. <i>Am J Chin Med</i> , 31(1):37-46.

Activity	Chemical Count	Reference
<u>Anticarcinomic (Breast)</u>	1	Medline (post 1990 searches filed in my computer)
<u>Anticariogenic</u>	2	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<u>Anticataract</u>	2	Duke, 1992 *
<u>Anticephalagic</u>	1	Duke, 1992 *
<u>AntiCFS</u>	1	Duke, 1992 *
<u>Anticheilitic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Anticholestatic</u>	1	Shukla, B., Visen, P.K.S., Patnaik, G.K., Tripathi, S.C., Srimal, R.C., Dayal, R., and Dobhal, P.C. Hepatoprotective Activity in the Rat of Ursolic Acid Isolated from Eucalyptus Hybrid. Phytotherapy Research 6: 74-79, 1992.
<u>Anticlimacteric</u>	2	Duke, 1992 *
<u>Anticoeliac</u>	1	Martindale's 28th
<u>Anticold</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Anticolitic</u>	2	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Anticomplement</u>	1	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>Anticomplementary</u>	1	Duke, 1992 *
<u>Anticonvulsant</u>	1	Facciola, S. 1998. Cornucopia - A Source Book of Edible Plants. Kampong Publications, Vista CA. 713 pp.
<u>Anticorony</u>	2	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95

Activity	Chemical Count	Reference
AntiCrohn's	2	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anticystitic	1	Duke, 1992 *
Antidandruff	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidementia	1	Duke, 1992 *
Antidepressant	4	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidermatitic	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antidiabetic	7	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antidiscotic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidote (Aluminum)	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidote (Cadmium)	1	Let's Live, May 1989.
Antidote (Lead)	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidysgeuzic	1	Duke, 1992 *
Antidyskinetic	1	Martindale's 28th
Antidysmenorrheic	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
AntiEBV	2	Economic & Medicinal Plant Research, 6: 189.
Antieczemic	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiedemic	1	Duke, 1992 *
Antielastase	1	Duke, 1992 *
Antiencephalitic	1	Economic & Medicinal Plant Research, 5: 199.
Antiencephalopathic	1	Martindale's 29th
Antiendometriotic	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antienterotic</u>	1	Duke, 1992 *
<u>Antiepileptic</u>	3	Duke, 1992 *
<u>Antiescherichic</u>	2	Duke, 1992 *
<u>Antiestrogenic</u>	1	Duke, 1992 *
<u>Antifatigue</u>	3	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antifeedant</u>	2	Duke, 1992 *
<u>Antifibromyalgic</u>	1	Duke, 1992 *
<u>Antifibrosarcomic</u>	2	Duke, 1992 *
<u>Antifibrotic</u>	1	Duke, 1992 *
<u>Antiflu</u>	1	Vlietinck, A.J. and Domisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
<u>Antifuruncular</u>	1	Martindale's 28th
<u>Antigastric</u>	1	Rastitel'nye Resursy, 21: 85.
<u>Antigastrotic</u>	1	Duke, 1992 *
<u>Antigenotoxic</u>	1	Duke, 1992 *
<u>Antiglaucomic</u>	1	Duke, 1992 *
<u>Antigonadotropic</u>	2	Jim Duke's personal files.
<u>AntiGTF</u>	1	Duke, 1992 *
<u>Antihangover</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>Antihepatotoxic</u>	3	Duke, 1992 *
<u>Antiherpetic</u>	2	Economic & Medicinal Plant Research, 5: 194.
<u>Antiherpetic?</u>	1	Duke, 1992 *
<u>Antihistaminic</u>	3	Duke, 1992 *

Activity	Chemical Count	Reference
AntiHIV	4	Economic & Medicinal Plant Research, 6: 189.
Antihydrophobic	1	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
Antihypercholesterolemic	1	Economic & Medicinal Plant Research, 6: 189.
Antihyperkinetic	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antihyperlipidemic	1	Duke, 1992 *
Antihypertensive	4	Duke, 1992 *
Antihyperthyroid	1	Duke, 1992 *
Antihypoglycemic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiimpotence	1	Martindale's 29th
Antiinfective	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiinfertility	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiinflammatory	6	Duke, 1992 *
Antiinsomniac	3	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
AntiLegionella	1	Duke, 1992 *
Antileishmanic	2	Duke, 1992 *
Antilepric	1	Martindale's 29th
Antileukemic	2	Economic & Medicinal Plant Research, 5: 225.
Antileukonychic	1	Duke, 1992 *
Antileukotriene	2	Duke, 1992 *
Antilipoperoxidant	1	Duke, 1992 *
Antilithic	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
AntiLyme	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antilymphomeric</u>	2	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>Antimaculitic</u>	1	Duke, 1992 *
<u>Antimalarial</u>	2	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.
<u>Antimastalgic</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>Antimelanogenic</u>	1	Duke, 1992 *
<u>Antimelanomic</u>	1	Duke, 1992 *
<u>Antimenopausal</u>	2	Duke, 1992 *
<u>Antimenorrhagic</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>Antimetastatic</u>	3	Duke, 1992 *
<u>Antimigraine</u>	1	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
<u>Antimitral-valve-prolapse</u>	1	Duke, 1992 *
<u>AntiMS</u>	1	Duke, 1992 *
<u>Antimutagenic</u>	3	Duke, 1992 *
<u>Antimyocarditic</u>	1	Economic & Medicinal Plant Research, 5: 199.
<u>Antinephritic</u>	1	Duke, 1992 *
<u>Antinephrolytic</u>	1	Duke, 1992 *
<u>Antineuropathic</u>	1	Duke, 1992 *
<u>Antineurotic</u>	1	Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine</i> . Avon Books, New York. 509pp.
<u>Antinitrosaminic</u>	2	Duke, 1992 *
<u>Antinociceptive</u>	2	Werbach, M. 1993. <i>Healing with Food</i> . Harper Collins, New York, 443 pp.
<u>Antinyctalopic</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antiobesity</u>	2	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antiobesity?</u>	1	Internat. J. Oriental Med. 16: 4.
<u>Antiosteoporotic</u>	5	Duke, 1992 *
<u>Antiototic</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antioxidant</u>	4	Huang, M-T., and Ferraro, T. Phenolic Compounds in Food and Cancer Prevention. Phenolic Compounds in Food and Their Effects on Health, Ch.2 p.21.
<u>Antipancreatic</u>	1	Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.
<u>Antiperiodontal</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiperiodontic</u>	2	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antiperistaltic</u>	1	Duke, 1992 *
<u>Antipermeability</u>	1	Duke, 1992 *
<u>Antiperoxidant</u>	3	Planta Medica, 57: A54, 1991.
<u>Antipharyngitic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiplaque</u>	3	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiplasmodial</u>	2	Duke, 1992 *
<u>AntiPMS</u>	4	Duke, 1992 *
<u>Antipodriac</u>	1	Duke, 1992 *
<u>Antipolio</u>	2	Jim Duke's personal files.
<u>Antiprolactin</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).

Activity	Chemical Count	Reference
<u>Antiproliferant</u>	1	Duke, 1992 *
<u>Antiproliferative</u>	1	Duke, 1992 *
<u>Antiprostanoid</u>	1	Duke, 1992 *
<u>Antiprostatic</u>	2	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antipsoriac</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Antiradicular</u>	2	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>AntiRaynaud's</u>	1	Duke, 1992 *
<u>Antiretinopathic</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antirheumatic</u>	2	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Antiseptic</u>	2	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 reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antispasmodic</u>	4	Duke, 1992 *
<u>Antispasmophilic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antistaphylococcic</u>	1	Duke, 1992 *
<u>Antistomatinic</u>	1	Martindale's 28th
<u>Antistreptococcic</u>	1	Duke, 1992 *
<u>Antistress</u>	2	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antistroke</u>	2	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antisunburn</u>	1	Duke, 1992 *
<u>Antisyndrome-X</u>	3	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>AntiTGF-beta</u>	1	Duke, 1992 *
<u>Antithiamin</u>	1	Phenolic Compounds in Food and Their Effects on Health, 69.
<u>Antithrombic</u>	1	Duke, 1992 *
<u>Antithromboxane</u>	1	Duke, 1992 *
<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>Antitinnitin</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Antitriglyceride</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Antitrypanosomic</u>	2	Duke, 1992 *
<u>Antitumor</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>Antitumor (Bladder)</u>	1	Duke, 1992 *
<u>Antitumor (brain)</u>	1	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. Am J Chin Med, 31(1):37-46.
<u>Antitumor (Breast)</u>	2	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Antitumor (Cervix)</u>	1	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. <i>Am J Chin Med</i> , 31(1):37-46.
<u>Antitumor (Colon)</u>	3	Duke, 1992 *
<u>Antitumor (Forestomach)</u>	1	Duke, 1992 *
<u>Antitumor (Liver)</u>	1	Duke, 1992 *
<u>Antitumor (Lung)</u>	2	Duke, 1992 *
<u>Antitumor (Ovary)</u>	2	Duke, 1992 *
<u>Antitumor (Skin)</u>	2	Duke, 1992 *
<u>Antitumor (Stomach)</u>	1	Duke, 1992 *
<u>Antitumor-Promoter</u>	3	Duke, 1992 *
<u>Antitussive</u>	1	Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
<u>Antiulcer</u>	4	Economic & Medicinal Plant Research, 6: 189.
<u>Antiviral</u>	3	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
<u>Antiviral?</u>	1	Martindale's 29th
<u>Anxiolytic</u>	3	Duke, 1992 *
<u>Apoptotic</u>	1	Duke, 1992 *
<u>Aromatase-Inhibitor</u>	1	Duke, 1992 *
<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.
<u>Autotoxic</u>	1	Duke, 1992 *
<u>Bacteristat</u>	1	Duke, 1992 *
<u>Beta-Blocker</u>	2	Duke, 1992 *
<u>Beta-Glucuronidase-Inhibitor</u>	1	Duke, 1992 *
<u>Bitter</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Bradycardiac</u>	1	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Calcium-Antagonist</u>	1	Duke, 1992 *
<u>Calcium-Channel-Blocker</u>	1	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>	4	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
<u>Candidicide</u>	2	Duke, 1992 *
<u>Capillariprotective</u>	1	Merck 11th Edition
<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.
<u>Cardioprotective</u>	5	Duke, 1992 *
<u>Cardiotonic</u>	1	Duke, 1992 *
<u>Cardiotoxic</u>	1	Duke, 1992 *
<u>Catabolic</u>	1	Duke, 1992 *
<u>Chemopreventive</u>	1	Duke, 1992 *
<u>Cholagogue</u>	1	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
<u>Choleretic</u>	2	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Clastogenic</u>	1	Friedman, M. and Dao, L. 1990. Effect of Autoclaving and Conventional and Microwave Baking on the Ergot Alkaloid and Chlorogenic Acid Contents of Morning Glory (<i>Ipomoea tricolor</i> Cav. cv.) Heavenly Blue Seeds. <i>J. Agric. Food Chem.</i> 38: 805-808.

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>	2	Facciola, S. 1998. Cornucopia - A Source Book of Edible Plants. Kampong Publications, Vista CA. 713 pp.
<u>CNS-Stimulant</u>	1	Duke, 1992 *
<u>Collagen-Sparing</u>	1	Duke, 1992 *
<u>Collagenic</u>	1	Duke, 1992 *
<u>COMT-Inhibitor</u>	1	Duke, 1992 *
<u>Contraceptive</u>	1	Martindale's 28th
<u>Copper-Antagonist</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Copper-Chelator</u>	1	Duke, 1992 *
<u>COX-2-Inhibitor</u>	2	Duke, 1992 *
<u>Cyanogenic</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>Cyclooxygenase-Inhibitor</u>	2	Duke, 1992 *
<u>Cytochrome-P450-1A2-Inhibitor</u>	1	Duke, 1992 *
<u>Cytotoxic</u>	2	Matsukawa, Y., et al. The Effect of Quercetin and Other Flavonoids on Cell Cycle Progression and Growth of Human Gastric Cancer Cells. Planta Medica, 56(6): 677, 1990.
<u>Deiodinase-Inhibitor</u>	1	Jim Duke's personal files.
<u>Deodorant</u>	1	Martindale's 29th
<u>Detoxicant (Alcohol)</u>	1	Duke, 1992 *
<u>Diaphoretic?</u>	1	Lawrence Review of Natural Products, Dec-90.
<u>Differentiator</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Diuretic</u>	5	Duke, 1992 *
<u>Elastase-Inhibitor</u>	1	Duke, 1992 *
<u>Ergogenic</u>	1	Duke, 1992 *
<u>Estrogenic</u>	1	Duke, 1992 *
<u>Expectorant</u>	1	Oriental Materia Medica (three volumes by Dr. Hsu and collaborators)
<u>Fungicide</u>	2	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
<u>Glucosyl-Transferase-Inhibitor</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>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>	3	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
<u>Histamine-Inhibitor</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>Hypertensive</u>	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
<u>Hypocholesterolemic</u>	3	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Hypoglycemic</u>	4	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>Hypotensive</u>	5	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Activity	Chemical Count	Reference
<u>Immunomodulator</u>	4	Duke, 1992 *
<u>Immunostimulant</u>	2	Duke, 1992 *
<u>Immunosuppressant</u>	1	Martindale's 29th
<u>iNOS-Inhibitor</u>	1	Duke, 1992 *
<u>Inotropic</u>	1	Duke, 1992 *
<u>Insectifuge</u>	1	Tunon, H., Thorsell, W., and Bohlin, L. 1993. Mosquito Repelling Activity of Compounds Occurring in Achillea millefolium L. (Asteraceae). Economic Botany 48(2): 111-120, 1994.
<u>Insulinogenic</u>	3	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Interferonogenic</u>	1	Economic & Medicinal Plant Research, 1: 124.
<u>Juvabional</u>	2	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
<u>Larvistat</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>Laxative</u>	2	Duke, 1992 *
<u>Leptogenic</u>	1	Challem, J., Berkson, Burt, and Smith, Melissa Dianne. 2000. Syndrome X - The complete nutritional program to prevent and reservse insulin resistance. John Wiley & Sons, New York. 272 pp. \$24.95
<u>Leucocytogenic</u>	1	Duke, 1992 *
<u>Leukotriene-Inhibitor</u>	1	Duke, 1992 *
<u>Lipoxygenase-Inhibitor</u>	3	Oszmianski, J. and Lee, C.Y. 1990. Inhibitory Effect of Phenolics on Carotene Bleaching in Vegetables. J. Agric. Food Chem. 38: 688-690.
<u>Litholytic</u>	1	Duke, 1992 *
<u>MAO-A-Inhibitor</u>	1	Duke, 1992 *
<u>Mast-Cell-Stabilizer</u>	1	Duke, 1992 *

Activity	Chemical Count	Reference
<u>Metal-Chelator</u>	1	McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, 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 Ballota nigra L. Inhibit in vitro LDL Peroxidation. Phytotherapy Research, 14(2): 93-98.
<u>Metalloproteinase-Inhibitor</u>	1	Duke, 1992 *
<u>MMP-9-Inhibitor</u>	2	Duke, 1992 *
<u>Mucogenic</u>	1	Li, K.M. Effect of zinc sulphate on acetic acid-induced gastric ulceration in rats. J. Pharm. Pharmacol. 42: 657-659, 1990.
<u>Mutagenic</u>	1	Duke, 1992 *
<u>Myorelaxant</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>NADH-Oxidase-Inhibitor</u>	1	Duke, 1992 *
<u>NEP-Inhibitor</u>	1	Duke, 1992 *
<u>Nephrotoxic</u>	1	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
<u>Neuroprotective</u>	1	Duke, 1992 *
<u>Neurotransmitter</u>	1	Duke, 1992 *
<u>NF-kB-Inhibitor</u>	2	Duke, 1992 *
<u>NO-Genic</u>	1	Duke, 1992 *
<u>NO-Inhibitor</u>	1	Duke, 1992 *
<u>NO-Synthase-Inhibitor</u>	1	Duke, 1992 *
<u>Ornithine-Decarboxylase-Inhibitor</u>	3	Hagerman, A.E. Tannin-Protein Interactions. Phenolic Compounds in Food and Their Effects on Health, Ch.19.
<u>Oviposition-Stimulant</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
P450-Inducer	1	Father Nature's Farmacy: The aggregate of all these three-letter citations.
P450-Inhibitor	1	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Pesticide	5	Duke, 1992 *
PGE2-Inhibitor	1	Duke, 1992 *
Phospholipase-Inhibitor	1	Duke, 1992 *
Piscicide	1	Duke, 1992 *
Plasmodicide	1	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Potassium-Sparing	1	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Proliferant	1	Duke, 1992 *
Prooxidant	1	Duke, 1992 *
Prostaglandin-Synthesis-Inhibitor	1	Ibewuike, J. C., Ogungbamila, F. O., Ogundaini, A. O., Okeke, I. N., Bohlin, L. 1997. Antiinflammatory and Antibacterial Activities of C-methylflavonol from Piliostigma thonningii. Phytotherapy Research, 11(4): 281-284.
Protease-Inhibitor	1	Duke, 1992 *
Protein-Kinase-C-Inhibitor	1	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.
Protisticide	1	Chemical Express, 7: 285, 1992.
PTK-Inhibitor	1	Duke, 1992 *
Quinone-Reductase-Inducer	2	Uda, Y., Price, K. R., Williamson, G., Rhodes, M. J. C. 1997. Induction of the Anticarcinogenic Marker Enzyme, Quinone Reductase, in Murine Hepatoma Cells In Vitro by Flavonoids. Cancer Lett., 120 (2): 213-216.
Schizophrenogenic	1	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

Activity	Chemical Count	Reference
<u>Sodium-Sparing</u>	1	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
<u>Spermigenic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Sunscreen</u>	1	Duke, 1992 *
<u>Sweetener</u>	1	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<u>Teratologic</u>	1	Duke, 1992 *
<u>Testosteronogenic</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>TNF-alpha-Inhibitor</u>	1	Duke, 1992 *
<u>TOPO-2-Inhibitor</u>	1	Duke, 1992 *
<u>Topoisomerase-I-Inhibitor</u>	1	Duke, 1992 *
<u>Topoisomerase-II-Inhibitor</u>	1	Duke, 1992 *
<u>Toxic</u>	1	Duke, 1992 *
<u>Tranquilizer</u>	2	Duke, 1992 *
<u>Trichomonicide</u>	1	Martindale's 29th
<u>Trypanocide</u>	1	Duke, 1992 *
<u>Tumorigenic</u>	1	Jim Duke's personal files.
<u>Tyrosinase-Inhibitor</u>	1	Duke, 1992 *
<u>Tyrosine-Kinase-Inhibitor</u>	1	Economic & Medicinal Plant Research, 6: 170.
<u>Uterorelaxant</u>	1	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
<u>Vasodilator</u>	4	Duke, 1992 *
<u>Vasopressor</u>	1	Duke, 1992 *
<u>VEGF-Inhibitor</u>	1	Duke, 1992 *
<u>Vulnerary</u>	2	Martindale's 28th
<u>Xanthine-Oxidase-Inhibitor</u>	1	Chem. & Pharm. Bull. 38: 1772.