

# List of All Chemicals

## P Rosa rubiginosa (Rosaceae)

### Common name(s)

Rosa Mosqueta

### How used

Medicinal

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical      | Part <span>All ▾</span> | Low PPM | High PPM | StdDev | *Reference |
|---------------|-------------------------|---------|----------|--------|------------|
| ASCORBIC-ACID | Seed                    | --      | 12500.0  | 7.17   | *          |

#### Activities (112)

|  |   |
|--|---|
| Acidulant FEMA 6,000                     | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry   |
| Aldose-Reductase-Inhibitor               | 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 |
| Analgesic 5-10 g/day                     |   |
| Angiotensin-Receptor-Blocker             |   |
| AntiAGE 2,000 mg/day                     | 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 |
| AntiCFS 500-1,000 mg                     |   |
| AntiCTS 1,000 mg 3x/day                  |   |
| AntiCrohn's 50-100 mg/day/orl/man        | Martindale's 29th   |
| AntiLyme 500-2,000 mg                    |   |
| AntiRaynaud's 500 mg 1-2x/day            |   |
| Antiaggregant                            | 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 |
| Antiaging 400 mg/day                     |   |
| Antiallergic                             |   |
| Antialzheimeran 2,000-6,000 mg/day       |   |
| Antiarthritic 0.2-1 g/day                |   |
| Antiasthmatic 1,000 mg/day               | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.  |
| Antiatherosclerotic                      |   |
| Antibacterial                            | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.  |
| Anticataract 350 mg/day                  | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.  |
| Anticataract 400 mg/day                  | 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 |
| Anticataract 1 g 3x/day                  |   |
| Anticervicaldysplasic 1,000-2,000 mg/day |   |
| Anticlimacteric 500-5,000 mg/day         |   |
| Anticold 1-2 g/man/day                   |   |
| Antidecubic 500 mg/man/2x/day            | Martindale's 28th   |
| Antidementia                             |   |
| Antidepressant 2,000 mg/day              | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.  |
| Antidiabetic                             | 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 |
| Antidote (Aluminum)                      | Economic & Medicinal Plant Research, 6: 189.  |
| Antidote (Cadmium)                       | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.  |
| Antidote (Lead)                          | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.  |
| Antidote (Paraquat)                      | Martindale's 28th   |
| Antieczemic 3.5-5 g/day                  | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.  |
| Antiedemic 1 g/man/day                   | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.  |
| Antiencephalitic                         | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.  |
| Antiendometriotic 2,000 mg/day           |   |
| Antifatigue 500-1,000 mg                 |   |
| Antifibrotic 1,000-2,000 mg              |   |
| Antigallstone 1,000-3,000 mg/day         |   |
| Antipneumonic                            |   |

|   |  |
|---|--|
| Antiggingivitic                               |  |
| Antiglaucomic 2 g/day                         | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.   |
| Antihangover 1,000 mg                         |  |
| Antihemorrhagic 1 g/man/day                   | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antihepatitic 2-6 g/man/day                   | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antihepatotoxic                               | Economic & Medicinal Plant Research, 6: 189.   |
| Antiherpetic 1-5 g/day                        |  |
| Antihistaminic 2 g/day orl<br>man             |  |
| Antihypertensive                              |  |
| Antifertility 1 g/day                         | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.   |
| Antiinflammatory                              | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).   |
| Antileptic 1.5 g/man/day                      | Martindale's 28th  |
| Antilithic 1,000-3,000 mg/day                 |  |
| Antimaculitic                                 |  |
| Antimeasles                                   | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antimenopausal 500-5,000<br>mg/day            |  |
| Antimigraine                                  | Martindale's 29th  |
| Antimutagenic                                 | Economic & Medicinal Plant Research, 6: 235.   |
| Antineuramidase                               |  |
| Antinitrosic 1 g/man/day                      | Martindale's 28th  |
| Antiobesity 1 g 3x/day                        | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.   |
| Antiorchitic                                  | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antiosteoarthritic 1 g 2x/day                 | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.   |
| Antiosteoporotic 500 mg/day                   |  |
| Antioxidant 100 ppm                           |  |
| Antiparkinsonian 1 g 2-3x/day                 |  |
| Antiparotitic                                 | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antiperiodontitic 1 g 2x/day                  | Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.   |
| Antipneumonic                                 | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).   |
| Antipodriac                                   | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antipoliomyelitic                             | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antipyretic                                   | Economic & Medicinal Plant Research, 6: 189.   |
| Antiradicular                                 | 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 |
| Antiretinotic                                 |  |
| Antirheumatic                                 |  |
| Antirhinitic 1,000 mg 3x/day                  |  |
| Antiscorbutic 10 mg/man/day                   | Martindale's 28th  |
| Antiseptic MIC=3.3-217<br>mg/ml               | Martindale's 28th  |
| Antiseptic 4-8 g/day                          | 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 |
| Antishingles                                  | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antispasmodic 500-5,000<br>mg/day             |  |
| Antistress 500-1,000 mg                       |  |
| Antisyndrome-X 1-4 g/day                      | 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 |
| Antitumor (Gastric)                           |  |
| Antitumor (Lung)                              |  |
| Antiulcer                                     |  |
| Antiviral 1-5 g/day                           |  |
| Apoptotic 1-10 mM                             |  |
| Asthma-preventive 1,000<br>mg/day/orl         | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).   |
| Beta-Adrenergic Receptor<br>Blocker           |  |
| Beta-Glucuronidase-Inhibitor<br>1.5 g/day/man |  |
| Calcium-Antagonist                            |  |
| Cancer-Preventive                             | Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.  |
| Cardioprotective                              |  |
| Cold-preventive 1-2 g/day                     | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Collagenic                                    |  |
| Detoxicant                                    |  |
| Diuretic 700 mg/man/orl                       |  |
| Fistula-Preventive                            | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).   |
| Hypocholesterolemic 300-<br>1,000 mg/day      | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |

|                              |  |
|------------------------------|--|
| hypoglycemic                 | 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 |
| Hypotensive 1,000 mg/man/day |  |
| Immunomodulator              |  |
| Immunostimulant              | 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 |
| Interferonogenic             | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).   |
| Lithogenic                   | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Mucolytic 1 g/woman/day      | Martindale's 28th  |
| Pesticide                    |  |
| Uricosuric 4 g/man/day       | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Urinary-Acidulant            | Martindale's 29th  |
| Vasodilator                  |  |
| Vulnerary                    | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).   |

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|               |       |    |    |   |
|---------------|-------|----|----|---|
| BETA-CAROTENE | Plant | -- | -- | * |
|---------------|-------|----|----|---|

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**Activities (53)**

|                                    |  |
|------------------------------------|--|
| Allergenic                         |  |
| Androgenic?                        | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| AntiPMS                            |  |
| Antiacne                           | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antiaging                          |  |
| Antiarthritic                      |  |
| Antiasthmatic                      | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Anticancer                         | Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.   |
| Anticarcinomic                     | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Anticervicaldysplasic              |  |
| Anticoronary 50 mg/man/2 days      |  |
| Antihyperkeratotic                 |  |
| Antiichthyotic                     | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antileukoplakic                    |  |
| Antilipoperoxidant IC71=50 ug/ml   |  |
| Antilupus 150 mg/man/day/2 mos     | Martindale's 28th  |
| Antimaculitic                      |  |
| Antimastitic                       | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antimutagenic                      | Economic & Medicinal Plant Research, 6: 235.   |
| Antioxidant                        | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antiozenic                         |  |
| Antipapillomic                     |  |
| Antiphotophobic 30-300 mg/man/day  | Martindale's 29th  |
| Antipityriasic                     | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antiporphyrhic 30-300 mg/man/day   | Martindale's 28th  |
| Antiproliferant                    | Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.   |
| Antipsoriac                        | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antiradicular                      | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antirheumatic                      |  |
| Antistress                         | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| Antitumor                          | Simon, P.W. Carrots and Other Horticultural Crops as a Source of Provitamin A Carotenes. HortScience, 25(12): 1495, 1990.                              |
| Antitumor (Breast) IC45=60 ug/ml   |  |
| Antitumor (CNS) IC43=45 ug/ml      |  |
| Antitumor (Colon) IC43=45 ug/ml    |  |
| Antitumor (Lung) IC30=60 ug/ml     |  |
| Antitumor (Prostate)               |  |
| Antitumor (Stomach) IC26=45 ug/ml  |  |
| Antiulcer 12 mg 3x/day/man/orl     | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Antiulcer 15,000-25,000 IU/day     |  |
| Antixerophthalmic                  | Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.   |
| COX-1-Inhibitor IC78=50 ug/ml      |  |
| COX-2-Inhibitor IC82=50 ug/ml      |  |
| Cancer-Preventive 22 ppm           | Jim Duke's personal files.   |
| Chemopreventive                    |  |
| Colorant                           | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| Gastroprotective                   |  |
| Immunostimulant 180 mg/man/day/orl | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Interferon-Synergist               |  |
| Mucogenic                          | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Phagocytotic                       | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Prooxidant 20 ug/g                 |  |
| Thymoprotective                    | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |
| Ubiquiot                           | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |

|             |      |    |        |      |   |
|-------------|------|----|--------|------|---|
| CAROTENOIDS | Seed | -- | 500.0  |      | * |
| CATECHINS   | Seed | -- | 9100.0 | -1.0 | * |

| Activities (1)            |          |    |          |      |   |
|---------------------------|----------|----|----------|------|---|
| Tyrosine-Kinase-Inhibitor |          |    |          |      |   |
| FLAVONOIDS                | Seed     | -- | 3500.0   | -1.0 | * |
| GLYCOSIDES                | Seed     | -- | 170000.0 | 1.27 | * |
| LEUCOANTHOCYANINS         | Seed     | -- | 17500.0  |      | * |
| LINOLEIC-ACID             | Seed Oil | -- | --       |      | * |

| Activities (27)               |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|
| 5-Alpha-Reductase-Inhibitor   |  |  |  |  |  |
| AntiMS                        | Economic & Medicinal Plant Research, 6: 189.   |  |  |  |  |
| Antiacne                      |  |  |  |  |  |
| Antialopecic                  |  |  |  |  |  |
| Antianaphylactic              | Economic & Medicinal Plant Research, 6: 189.   |  |  |  |  |
| Antiandrogenic                |  |  |  |  |  |
| Antiartherosclerotic          |  |  |  |  |  |
| Antiarthritic                 | Economic & Medicinal Plant Research, 6: 189.   |  |  |  |  |
| Anticoronary                  | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |  |  |  |  |
| Antieczemic                   | Economic & Medicinal Plant Research, 6: 189.   |  |  |  |  |
| Antifibrinolytic              | Economic & Medicinal Plant Research, 1: 53.  |  |  |  |  |
| Antigranular                  |  |  |  |  |  |
| Antihistaminic                | Economic & Medicinal Plant Research, 6: 189.   |  |  |  |  |
| Antiinflammatory IC50=31 uM   |  |  |  |  |  |
| Antileukotriene-D4 IC50=31 uM |  |  |  |  |  |
| Antimenorrhagic               | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |  |  |  |  |
| Antiprostatic                 | Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).               |  |  |  |  |
| Cancer-Preventive             | Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.  |  |  |  |  |
| Carcinogenic                  | Science News, 146: 421.  |  |  |  |  |
| Comedolytic                   |  |  |  |  |  |
| Hepatoprotective              |  |  |  |  |  |
| Hypocholesterolemic           | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)                           |  |  |  |  |
| Immunomodulator               | Economic & Medicinal Plant Research, 6: 189.   |  |  |  |  |
| Insectifuge                   | Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.   |  |  |  |  |
| Metastatic                    | Science News, 146: 421.  |  |  |  |  |
| Nematicide                    | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.                         |  |  |  |  |
| Propecic                      |  |  |  |  |  |

|                |          |    |    |  |   |
|----------------|----------|----|----|--|---|
| LINOLENIC-ACID | Seed Oil | -- | -- |  | * |
| LYCOPENE       | Plant    | -- | -- |  | * |

| Activities (16)                         |   |  |  |  |  |
|---|---|--|--|--|--|
| Anticancer (Bladder)                    |   |  |  |  |  |
| Anticancer (Breast)                     |   |  |  |  |  |
| Anticancer (Cervix)                     |   |  |  |  |  |
| Anticancer (Prostate)                   |   |  |  |  |  |
| Antioxidant                             |   |  |  |  |  |
| Antiprostatic                           |   |  |  |  |  |
| Antiradicular                           |   |  |  |  |  |
| Antitumor                               |   |  |  |  |  |
| Antitumor (Bladder)                     |   |  |  |  |  |
| Antitumor (Breast)                      |   |  |  |  |  |
| Antitumor (Cervix)                      |   |  |  |  |  |
| Antitumor (Prostate)                    |   |  |  |  |  |
| Cancer-Preventive                       | Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp. |  |  |  |  |
| Colorant                                |   |  |  |  |  |
| Hypocholesterolemic 60 mg/man/day/3 mos |   |  |  |  |  |
| Prooxidant 20 ug/g                      |   |  |  |  |  |

|            |          |    |        |  |   |
|------------|----------|----|--------|--|---|
| O-VANILLIN | Plant    | -- | 1000.0 |  | * |
| OLEIC-ACID | Seed Oil | -- | --     |  | * |

**Activities (18)**

|                                  |   |
|----------------------------------|---|
| 5-Alpha-Reductase-Inhibitor      |   |
| Allergenic                       |   |
| Alpha-Reductase-Inhibitor        |   |
| Anemiagenic                      |   |
| Antiallopecic                    |   |
| Antiandrogenic                   |   |
| Antiinflammatory<br>IC50=21 uM   |   |
| Antileukotriene-D4<br>IC50=21 uM |   |
| Cancer-Preventive                | Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.   |
| Choleretic 5 ml/man              |   |
| Dermatitigenic                   |   |
| FLavor FEMA 1-30                 | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry   |
| Hypocholesterolemic              | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)  |
| Insectifuge                      | Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.  |
| Irritant                         | Merck 11th Edition  |
| Percutaneostimulant              | Seki, T., Toeda, C., Kawaguchi, T., Juni, K., Sugibayashi, K., and Morimoto, Y. 1990. Enhanced Transdermal Delivery of Zidovudine in Rats and Human Skin. Chem. Pharm. Bull. 38(11): 3086-3089, 1990. |
| Perfumery                        | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry   |
| Propecic                         |   |

|               |          |    |    |   |
|---------------|----------|----|----|---|
| P-CAROTENE    | Plant    | -- | -- | * |
| PALMITIC-ACID | Seed Oil | -- | -- | * |

**Activities (13)**

|                             |  |
|-----------------------------|--|
| 5-Alpha-Reductase-Inhibitor |  |
| Antiallopecic               |  |
| Antiandrogenic              |  |
| Antifibrinolytic            | Economic & Medicinal Plant Research, 1: 53.  |
| Antioxidant IC40=60         |  |
| FLavor FEMA 1               | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry  |
| Hemolytic                   | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.  |
| Hypercholesterolemic        | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)                           |
| Lubricant                   | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| Nematicide                  | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.                         |
| Pesticide                   |  |
| Propecic                    |  |
| Soap                        | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |

|        |      |    |         |      |   |
|--------|------|----|---------|------|---|
| PECTIN | Seed | -- | 46000.0 | 0.52 | * |
|--------|------|----|---------|------|---|

**Activities (24)**

|                               |   |
|-------------------------------|---|
| Antiatheromic 15 g/man/day    | Cerda, J.J. Pectin in Health and Disease. HortScience, 25(12): 1485, 1990.  |
| Antibacterial                 |   |
| Antidiabetic 10 g/man/day/orl |   |
| Antidiarrheic                 | Merck 11th Edition  |
| Antienteric                   |   |
| Antigallstone                 |   |
| Antigastric                   |   |
| Antilithic                    |   |
| Antimetastatic                |   |
| Antimutagenic                 |   |
| Antioesity                    | Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.  |
| Antitumor (Colon)             |   |
| Antitumor (Prostate)          |   |
| Antitussive                   |   |
| Antiulcer                     |   |
| Cancer-Preventive             | Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.                                   |
| Chemopreventive               |   |
| Demulcent                     |   |
| Fungicide                     | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Hemostat                      |   |
| Hypocholesterolemic           |   |
| Hypoglycemic                  | Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.  |
| Peristaltic                   |   |
| Pesticide                     |   |

**POLYPHENOLS**

Seed

--

26400.0

-1.0

\*

**Activities (30)**

|   |   |
|---|---|
| Anthelmintic                              |   |
| AntiHIV                                   |   |
| Antiangiogenic                            |   |
| Antibacterial                             |   |
| Anticariogenic                            |   |
| Antidiarrheic                             |   |
| Antidysenteric                            |   |
| Antihepatotoxic                           |   |
| Antihypertensive                          |   |
| Antilipolytic                             |   |
| Antimutagenic                             |   |
| Antiphidic                                | Economic & Medicinal Plant Research, 5: 363.  |
| Antioxidant<br>IC50=1.44 ug/ml            |   |
| Antiradicular 500<br>mg/kg/day orl mus    | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antirenitic                               | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antitumor                                 |   |
| Antiulcer                                 |   |
| Antiviral                                 |   |
| Cancer-Preventive                         | HerbalGram No. 22 - Spring 1990, page 14.   |
| Chelator                                  |   |
| Cyclooxygenase-<br>Inhibitor              |   |
| Glucosyl-<br>Transferase-Inhibitor        |   |
| Hepatoprotective                          |   |
| Immunosuppressant                         |   |
| Lipoxygenase-<br>Inhibitor                |   |
| MAO-Inhibitor                             |   |
| Ornithine-<br>Decarboxylase-<br>Inhibitor |   |
| Pesticide                                 |   |
| Psychotropic                              | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Xanthine-Oxidase-<br>Inhibitor            |   |

RUBIXANTHIN Plant -- -- \*

**Activities (1)**

Colorant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

STEARIC-ACID Seed Oil -- -- \*

**Activities (8)**

5-Alpha-Reductase-Inhibitor

Cosmetic Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

FLavor FEMA 2-4,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

Hypocholesterolemic Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)

Lubricant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Perfumery Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

Propecic

Suppository Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

TARAXANTHIN Plant -- -- \*

ZEAXANTHIN Plant -- -- \*

**Activities (5)**

Anticancer (Breast) Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from Vaccinium myrtillus (Bilberry) Fruits and Cell Cultures. Plant Sci., 131(1): 95-103.

Antitumor (Breast) Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from Vaccinium myrtillus (Bilberry) Fruits and Cell Cultures. Plant Sci., 131(1): 95-103.

Colorant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Hepatoprotective

Quinone-Reductase-Inducer Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from Vaccinium myrtillus (Bilberry) Fruits and Cell Cultures. Plant Sci., 131(1): 95-103.