

List of All Chemicals

P Aloe vera (Aloeaceae)

Common name(s)

Aloe; Bitter Aloes

How used

GRAS

*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 <input type="button" value="All"/>	Low PPM	High PPM	StdDev	*Reference
-D-GLUCITOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
1,1,2-TRIPHENYL-CYCLOPROPANE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
1,1-BIS-(2-HYDROXY-3,5-DIMETHYL-PHENYL)-2-METHYL-PROPANE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
1,8-DIHYDROXYANTHRACENE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
10-HYDROXYALOIN-A	Juice	--	3535.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. Phtochemistry, 45(7): 1519-1522.
10-HYDROXYALOIN-B	Juice	--	2172.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. Phtochemistry, 45(7): 1519-1522.
15-METHYL-HEXADECANOIC-ACID	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
2(3H)-BENZOTHAZOLONE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
2-METHYL-2-PHYTYL-6-CHROMANOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
3,3'-BIS-P-MENTHANE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
4-HYDROXY-3,5-DI-TERT-BUTYL-BENZALDEHYDE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
7-HYDROXY-6'-O-P-COUMAROYL-ALOIN-A	Leaf	--	--		Rauwald, H. W. 1987. New Hydroxyaloins: The 'Periodate-Positive' Substance from Cape Aloes and Cinnamoyl Esters from Curacao Aloes. Pharm. Weekbl. (Sci. Ed.) 9(4): 215.
7-HYDROXY-6'-O-P-COUMAROYL-ALOIN-B	Leaf	--	--		Rauwald, H. W. 1987. New Hydroxyaloins: The 'Periodate-Positive' Substance from Cape Aloes and Cinnamoyl Esters from Curacao Aloes. Pharm. Weekbl. (Sci. Ed.) 9(4): 215.
7-HYDROXY-8-O-METHYL-ALOIN-A	Juice	--	2143.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. Phtochemistry, 45(7): 1519-1522.
7-HYDROXY-8-O-METHYL-ALOIN-B	Juice	--	1608.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. Phtochemistry, 45(7): 1519-1522.
7-HYDROXY-CHROMONE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
7-HYDROXYALOIN	Plant	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
8-C-GLUCOSYL-(S)-ALOESOL	Juice	--	50.9		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.

8-C-GLUCOSYL-7-O-METHYL-(S)-ALOESOL	Leaf	--	--	Okamura, N., Asai, M., Hine, N., Yagi, A. 1996. High-Performance Liquid Chromatographic Determination of Phenolic Compounds in Aloe Species. <i>J. Chromatogr.</i> 746(2): 225-231.
8-C-GLUCOSYL-7-O-METHYL-(S)-ALOESOL	Juice	--	--	Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. <i>Phytochemistry</i> , 45(7): 1511-1513.
8-C-GLUCOSYL-7-O-METHYL-ALOEDIOL	Juice	--	71.6	Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. <i>Phytochemistry</i> , 45(7): 1511-1513.
8-C-GLUCOSYLCHROMONE-ALOERESIN-B	Plant	--	--	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
8-METHYL-TOCOL	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
8-[C-BETA-D-[2-O-(TRANS)-CINNA MOYL]-GLUCOPYRANOSYL]-2-[(R)-2-HYDROXYPROPYL]-7-METHOXY-5-METHYL-CHROMONE	Leaf	--	13.1	Hutter, J. A., Salman, M., Svinoha, W. B., Satsangi, N., Williams, R. F., Streeper, R. T., Weintraub, S. T. 1996. Antiinflammatory C-Glucosyl Chromone from Aloe barbadensis. <i>J. Nat. Prod.</i> , 59(5): 541-543.
9-PROPANOYL-METHOXY-METHYL-PHENANTHRENE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
ACEMANNAN	Juice	--	--	Lee, S. Y., Ryu, I. W., Shim, C. S. 1997. Purification and Characterization of Bioactivity Compound Acemannan from Aloe vera. <i>Korean J. Pharmacog.</i> , 28(2): 65-71.

Activities (14)

AntiHIV 1 g/day	
AntiIBD	
Antiherpetic 1 g/day	
Antileukemic	American Pharmaceutical Association. 1998. In ed. APA's Guide to Natural Medicines.
Antimeasles 1 g/day	
Antiretroviral	American Pharmaceutical Association. 1998. In ed. APA's Guide to Natural Medicines.
Antirhinitic 1 g/day	
Antitracheitic 1 g/day	
Antiviral	
Fungicide	
Immunostimulant	
Immunosuppressant	
Lymphocytogenic	
Pesticide	

ACEMANNAN Leaf -- -- *

Activities (14)

AntiHIV 1 g/day	
AntiIBD	
Antiherpetic 1 g/day	
Antileukemic	American Pharmaceutical Association. 1998. In ed. APA's Guide to Natural Medicines.
Antimeasles 1 g/day	
Antiretroviral	American Pharmaceutical Association. 1998. In ed. APA's Guide to Natural Medicines.
Antirhinitic 1 g/day	
Antitracheitic 1 g/day	
Antiviral	
Fungicide	
Immunostimulant	
Immunosuppressant	
Lymphocytogenic	
Pesticide	

ALANINE Leaf -- 15769.0 0.74 *

Activities (3)

Antioxidant	Larson, R.A. 1987. Review Article Number 30. The Antioxidants of Higher Plants. <i>Phytochemistry</i> . 27: 969-978.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Oxidant	Larson, R.A. 1987. Review Article Number 30. The Antioxidants of Higher Plants. <i>Phytochemistry</i> . 27: 969-978.

ALBUMIN	Leaf	1.0	5.0	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
ALDOPENTOSE	Leaf	--	--	Wealth of India.
ALEOSONE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ALIINASE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ALOCUTIN-A	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (5)				
Analgesic				Pakistan Encyclopedia Planta Medica. 1986.
Cancer-Agglutinator				Pakistan Encyclopedia Planta Medica. 1986.
Complementary-Activator				Pakistan Encyclopedia Planta Medica. 1986.
Hemagglutinator				Pakistan Encyclopedia Planta Medica. 1986.
Lymphogenic				Pakistan Encyclopedia Planta Medica. 1986.
ALOE-BARBENDON	Root	--	9.0	Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. <i>Phytochemistry</i> , 45(6): 1279-1282.
ALOE-CHRYSONE	Leaf	--	--	Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. <i>Phytochemistry</i> , 45(6): 1279-1282.
ALOE-EMODIN	Juice	--	--	*
Activities (24)				
Antibacterial MIC=2-64 ug/ml				
Antiherpetic				
Antileukemic				
Antisalmonella	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.			
Antiseptic MIC=2-64 ug/ml				
Antistaphylococccic MIC=2-64 ug/ml				
Antitumor 1 ug/mL				
Antiviral				
Arylamine-N-Acetyltransferase-Inhibitor				
Calcium-Antagonist (strong activity)				
Candidicide MIC=25-250 ug/ml				
Cathartic	Merck 11th Edition			
Cytotoxic 20 ppm				
Estrogenic				
Fungicide MIC=25-250 ug/ml				
Genotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.			
Laxative				
Mutagenic				
Pesticide				
Purgative ED50=>59.6 mg/kg orl mus				
Termitifuge	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.			
Topoisomerase-II-Inhibitor 1 mM	Muller, S. O., Eckert, I., Lutz, W. K. Stopper, H. 1996. Genotoxicity of the Laxative Drug Components Emodin, Aloe-emodin and Danthron in Mammalian Cells: Topoisomerase II Mediated? <i>Mutat Res</i> , 371: 165-173.			
Topoisomerase-II-Inhibitor IC50=741 uM/ml	Mueller, S. O., Stopper, H. 1999. Characterization of the Genotoxicity of Anthraquinones in Mammalian Cells. <i>Biochimica & Biophysica Acta</i> , 1428: 406-414.			
Tuberculostatic	Pakistan Encyclopedia Planta Medica. 1986.			
ALOE-EMODIN	Plant	--	--	*

Activities (24)

Antibacterial MIC=2-64 ug/ml

Antiherpetic

Antileukemic

Antisalmonella

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Antiseptic MIC=2-64 ug/ml

Antistaphylococcic MIC=2-64 ug/ml

Antitumor 1 ug/mL

Antiviral

Arylamine-N-Acetyltransferase-Inhibitor

Calcium-Antagonist (strong activity)

Candidicide MIC=25-250 ug/ml

Cathartic

Merck 11th Edition

Cytotoxic 20 ppm

Estrogenic

Fungicide MIC=25-250 ug/ml

Genotoxic

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

Laxative

Mutagenic

Pesticide

Purgative ED50=>59.6 mg/kg orl mus

Termitifuge

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

Topoisomerase-II-Inhibitor 1 mM

Muller, S. O., Eckert, I., Lutz, W. K., Stopper, H. 1996. Genotoxicity of the Laxative Drug Components Emodin, Aloe-emodin and Danthron in Mammalian Cells: Topoisomerase II Mediated? Mutat Res, 371: 165-173.

Topoisomerase-II-Inhibitor IC50=741 uM/ml

Mueller, S. O., Stopper, H. 1999. Characterization of the Genotoxicity of Anthraquinones in Mammalian Cells. Biochimica & Biophysica Acta, 1428: 406-414.

Tuberculostatic

Pakistan Encyclopedia Planta Medica. 1986.

ALOE-EMODIN-ANTHRANOL	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ALOE-GLYCOPROTEIN	Juice	--	--	Yagi, A., Egusa, T., Arase, M., Tanabe, M., Tsuji, H. 1997. Isolation and Characterization of the Glycoprotein Fraction with Proliferation-Promoting Activity on Human and Hamster Cells in Vitro from Aloe vera Gel. Planta Medica, 63(1):18-21.
ALOE-POLYSACCHARIDE	Leaf	--	--	Ross, S. A., El Sohly, M. A., Wilkins, S. P. 1997. Quantitative Analysis of Aloe vera Mucilaginous Polysaccharide in Commercial Aloe vera Products. J. Aoac. Int. 80(2): 455-457.
ALOEFERON	Juice	--	--	Madis, V. H., Omar, M. M., Madis, V. 1984. Aloeferon Isolation Manufacture, and Plliciations. Patent-US-4,861,761: 8 pp.
ALOENIN	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ALOERESIN-C	Juice	--	--	Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
ALOERESIN-D	Juice	--	--	Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
ALOERESIN-E	Leaf	--	--	Okamura, N., Asai, M., Hine, N., Yagi, A. 1996. High-Performance Liquid Chromatographic Determination of Phenolic Compounds in Aloe Species. J. Chromatogr. 746(2): 225-231.
ALOERESIN-F	Juice	--	--	Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
ALOESIN	Plant	--	--	*

Activities (2)

Purgative

Sunscreen

Jim Duke's personal files.

ALOESIN	Leaf	--	--	*	
Activities (2)					
Purgative					
Sunscreen					Jim Duke's personal files.
ALOESIN	Juice	--	--		Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
Activities (2)					
Purgative					
Sunscreen					Jim Duke's personal files.
ALOESOL	Plant	--	--	*	
ALOESONE	Plant	--	--	*	
ALOETIC-ACID	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
ALOETIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
ALOETINIC-ACID	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ALOIN	Leaf	--	--	*	
Activities (12)					
Allergenic?					
Antifertility 62.5 mg/kg/day					
Antiherpetic					
Antispermatogetic 62.5 mg/kg/day					
Antiviral					
Cholagogue					Pakistan Encyclopedia Planta Medica. 1986.
Hypothermic					Pakistan Encyclopedia Planta Medica. 1986.
Laxative 13-60 mg/man					Martindale's 28th
Peristaltic					Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Pesticide					
Purgative					Merck 11th Edition
Uricosuric					Pakistan Encyclopedia Planta Medica. 1986.
ALOIN-A	Leaf	--	31.8		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
ALOIN-B	Leaf	--	31.8		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
ALOINOSE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
ALOINOSIDE-A	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
ALOINS	Plant	270000.0	300000.0		=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
ALPHA-CELLULOSE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
ALUMINUM	Leaf	--	22.0	-0.76	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Activities (5)					
Antisilicotic					Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.
Antivaginitic					Martindale's 28th
Candidicide					Martindale's 28th
Encephalopathic					Martindale's 29th
Pesticide					
AMYLASE	Leaf	--	20.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Activities (1)					
Sedative					

ANTHRACENE	Plant	--	--	*
ANTHRANOL	Juice	--	--	Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
ANTHRANOL	Plant	--	--	*
ANTHRANOL	Leaf	--	--	Mary, N. Y., Christensen, B. V., Beal, J. L. 1956. A Paper Chromatographic Study of Aloe, Aloin and Cascara sagrada. J. Amer. Pharm. Ass. Sci. Ed., 45: 229-232.
ANTHRANOLS	Plant	--	--	*
ANTHRAQUINONE-GLYCOSIDE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ANTHRAQUINONES	Plant	--	300000.0	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Activities (6)

Antilithic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Bird-Repellent	Merck 11th Edition
Carcinogenic	
Laxative	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Litholytic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Toxic	Jim Duke's personal files.

ANTHROL	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
APOISE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ARABINAN	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
ARABINOSE	Plant	--	--	*
ARABINOSE	Leaf	--	--	*
ARACHIDIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
ARACHIDONIC-ACID	Shoot	--	--	Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.

Activities (12)

5-Alpha-Reductase-Inhibitor	
Antidermatitic	Merck 11th Edition
Antieczemic	Merck 11th Edition
Antileukotriene-B4	
Antipsoriatic	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Coagulant	
Hepatoprotective	
Immunostimulant	
Insulinogenic	Economic & Medicinal Plant Research, 6: 170.
Myocontractant	
Pyrogenic 100 ug/kg rbt	Kandasamy, S. B. 1977. Central Effect of 5,8,11,14-eicosatetraenoic Acid (Arachidonic Acid) on the Temperature in the Conscious Rabbit. Experientia, 33: 1626.

ARACHIDONIC-ACID	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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Activities (12)**5-Alpha-Reductase-Inhibitor**

Antidermatitic Merck 11th Edition

Antieczemic Merck 11th Edition

Antileukotriene-B4

Antipsoriatic Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Cancer-Preventive Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.

Coagulant**Hepatoprotective****Immunostimulant**

Insulinogenic Economic & Medicinal Plant Research, 6: 170.

Myocontractant

Pyrogenic 100 ug/kg rbt Kandasamy, S. B. 1977. Central Effect of 5,8,11,14-eicosatetraenoic Acid (Arachidonic Acid) on the Temperature in the Conscious Rabbit. Experientia, 33: 1626.

ARACHIDONIC-ACID

Plant -- --

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Activities (12)**5-Alpha-Reductase-Inhibitor**

Antidermatitic Merck 11th Edition

Antieczemic Merck 11th Edition

Antileukotriene-B4

Antipsoriatic Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Cancer-Preventive Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.

Coagulant**Hepatoprotective****Immunostimulant**

Insulinogenic Economic & Medicinal Plant Research, 6: 170.

Myocontractant

Pyrogenic 100 ug/kg rbt Kandasamy, S. B. 1977. Central Effect of 5,8,11,14-eicosatetraenoic Acid (Arachidonic Acid) on the Temperature in the Conscious Rabbit. Experientia, 33: 1626.

ARGININE

Leaf -- 78216.0 4.04 *

Activities (14)

Antidiabetic? Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Antiencephalopathic Martindale's 29th

Antihepatic Martindale's 29th

Antihypertensive**Antiimpotence**

Antiinfertility 4 g/day Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Antioxidant?**Aphrodisiac 3 g/day****Diuretic**

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

NO-Genic**Pituitary-Stimulant**

Spermigenic 4 g/day Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Vasodilator**ASCORBIC-ACID**

Leaf -- 6260.0 0.14

Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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 reserve 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 reserve 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	
Antiaaggregant	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
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 reserve 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 reserve 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	
Antigastritic	
Antigingivitic	
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 man	
Antihypertensive	
Antiinfertility 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 mg/day	
Antimigraine	Martindale's 29th
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.
Antineuramidase	
Antinitrosic 1 g/man/day	Martindale's 28th
Antioesity 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.
Antiosteoarthritis 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.
Antiperiodontic 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 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 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 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 Blocker	
Beta-Glucuronidase-Inhibitor 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 300-1,000 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).

ASPARAGINE Leaf -- -- Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.

Activities (2)

Antisickling Ekeke, G.I. and Shode, F.O. 1988. Phenylalanine is the Predominant Antisickling Agent in Cajanus cajan Seed Extract. Planta Medica 56(1): 41, 1990.
Diuretic HerbalGram No. 17.

ASPARTIC-ACID Leaf -- -- Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.

Activities (3)

Antimorphinic Martindale's 28th
Neuroexcitant Martindale's 28th
Roborant Merck 11th Edition

ASPARTIC-ACID	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (3)				
Antimorphinic				Martindale's 28th
Neuroexcitant				Martindale's 28th
Roborant				Merck 11th Edition
BARBALOIN	Leaf	--	42400.0	*
Activities (6)				
Antibacterial				
Antihistaminic IC50=20-60 ug/ml				
Antitubercular				
Laxative 500 uM				
Pesticide				
Purgative ED50=15 mg/kg orl mus				
BARBALOIN	Plant	--	--	Suga, T., Hirata, T. 1983. The Efficacy of the Aloe Plants Chemical Constituents and Biological Activities. Cosmet. Toiletries 98(6): 105-108.
Activities (6)				
Antibacterial				
Antihistaminic IC50=20-60 ug/ml				
Antitubercular				
Laxative 500 uM				
Pesticide				
Purgative ED50=15 mg/kg orl mus				
BARBALOIN	Juice	--	--	*
Activities (6)				
Antibacterial				
Antihistaminic IC50=20-60 ug/ml				
Antitubercular				
Laxative 500 uM				
Pesticide				
Purgative ED50=15 mg/kg orl mus				
BARBALOIN-A	Leaf	--	--	Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
BEHENIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
BENZYL-ACETONE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (1)				
Antitussive				
BETA-BARBALOIN	Plant	--	--	=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
BETA-BARBALOIN	Juice	--	--	Mukerji, B. 1953. The Indian Pharmaceutical Codex. Vol. I-Indigenous Drugs. Council of Scientific and Industrial Research, New Delhi, India.
BETA-CAROTENE	Stem. Essent. Oil	--	7.2	Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.

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.

BETA-SITOSTEROL

Plant

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Activities (47)

Androgenic	
Angiogenic	
Anorexic	Martindale's 28th
Antiadenomic	Merck 11th Edition
Antiandrogenic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antibacterial	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
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.
Anticancer (Cervix)	
Anticancer (Lung)	
Antiedemic IC54=320 mg/kg orl	
Antiestrogenic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Antifertility	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antigonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antihyperlipoproteinaemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiinflammatory	
Antileukemic	
Antilymphomic	
Antimutagenic 250 ug/ml	
Antiophidic 2.3 mg mus	Economic & Medicinal Plant Research, 5: 363.
Antioxidant IC44=10 uM	
Antiprogestational	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antiprostaglandin 30 mg/day/12 wks	
Antiprostataadenomic	Merck 11th Edition
Antiprostatic 10-20 mg 3 x/day/orl man	
Antipyretic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
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.
Antitumor (Cervix)	
Antitumor (Lung)	
Antiviral	Abid Ali Khan, M.M., Jain, D.C., Bhakuni, R.S., Zaim, M., and Thakur, R.S. 1991. Occurrence of some antiviral sterols in Artemisia annua. Plant Science, 75: 161-165, 1991.
Apoptotic	
Artemicide LC50=110 ppm	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.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidicide	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
Caspase-8-Inducer	
Estrogenic	
Febrifuge	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Gonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Hepatoprotective	
Hypocholesterolemic 2-6 g/man/day/orl	Martindale's 30th
Hypocholesterolemic 9-3,330 mg/man/day/orl	Martindale's 28th
Hypoglycemic	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.
Hypolipidemic 2-6 g/day	
Pesticide	
Spermicide	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Ubiquiot	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Ulcerogenic 500 mg/kg ipr rat	

BETA-SITOSTEROL

Leaf

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Activities (47)

Androgenic	
Angiogenic	
Anorexic	Martindale's 28th
Antiadenomic	Merck 11th Edition
Antiandrogenic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antibacterial	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
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.
Anticancer (Cervix)	
Anticancer (Lung)	
Antiedemic IC54=320 mg/kg orl	
Antiestrogenic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Antifertility	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antigonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antihyperlipoproteinaemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiinflammatory	
Antileukemic	
Antilymphomic	
Antimutagenic 250 ug/ml	
Antiophidic 2.3 mg mus	Economic & Medicinal Plant Research, 5: 363.
Antioxidant IC44=10 uM	
Antiprogestational	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Antiprostaglandin 30 mg/day/12 wks	
Antiprostataadenomic	Merck 11th Edition
Antiprostatic 10-20 mg 3 x/day/orl man	
Antipyretic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
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.
Antitumor (Cervix)	
Antitumor (Lung)	
Antiviral	Abid Ali Khan, M.M., Jain, D.C., Bhakuni, R.S., Zaim, M., and Thakur, R.S. 1991. Occurrence of some antiviral sterols in Artemisia annua. Plant Science, 75: 161-165, 1991.
Apoptotic	
Artemicide LC50=110 ppm	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.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidicide	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
Caspase-8-Inducer	
Estrogenic	
Febrifuge	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Gonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Hepatoprotective	
Hypocholesterolemic 2-6 g/man/day/orl	Martindale's 30th
Hypocholesterolemic 9-3,330 mg/man/day/orl	Martindale's 28th
Hypoglycemic	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.
Hypolipidemic 2-6 g/day	
Pesticide	
Spermicide	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.
Ubiquiot	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Ulcerogenic 500 mg/kg ipr rat	

BRADYKININASE

Plant -- -- *

Activities (4)

Analgesic
 Antiedemic
 Antiinflammatory
 Protease-Inhibitor

CALCIUM

Leaf 190.0 4600.0 -0.95 *

Activities (28)					
AntiPMS 1 g/day					
Antiallergic 500 mg/day					
Antianxiety					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiarrhythmic 500-1,500 mg					
Antiarthritic 1,000 mg/day					
Antiatherosclerotic 500 mg/day					Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Anticlimacteric 1,000-1,500 mg/day					
Antidepressant					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidote (Aluminum)					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.
Antihyperkinetic					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antihypertensive					
Antiinsomniac					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antimenopausal 1,000-1,500 mg/day					
Antibesity					
Antiosteoporotic 500-2,000 mg/day					
Antiperiodontitic 750 mg/day					Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antirheumatic 1,000 mg/day					
Antistress 500-1,500 mg/day					
Antitic					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anxiolytic 500-1,500 mg/day					
Calcium-Channel-Blocker					
Diuretic					
Hypocholesterolemic 500 mg/day					Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Hypotensive 1 g/day					Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Laxative 1,000-1,200 mg					
Tranquilizer 500-1,500 mg/day					
Vasodilator					

CALCIUM-OXALATE Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

Activities (4)					
Emetic					
Inflammatory					
Laxative					
Lithogenic					

CALCIUM-OXALATE Leaf -- -- Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.

Activities (4)					
Emetic					
Inflammatory					
Laxative					
Lithogenic					

CAMPESTEROL Plant -- -- *

Activities (2)					
Antioxidant IC37=10 uM					
Hypocholesterolemic					Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

CAMPESTEROL Leaf -- -- *

Activities (2)					
Antioxidant IC37=10 uM					
Hypocholesterolemic					Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

CARBOHYDRATES Leaf -- 896000.0 2.26 Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

CASANTHRANOL-I Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

CASANTHRANOL-II Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

CATALASE Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

Activities (1)				
Antioxidant				Jim Duke's personal files.
CHLORIDE	Leaf	10.0	110.0	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
CHOLESTEROL	Plant	--	--	Suga, T., Hirata, T. 1983. The Efficacy of the Aloe Plants Chemical Constituents and Biological Activities. Cosmet. Toiletries 98(6): 105-108.
Activities (1)				
Antioxidant IC43=10 uM				
CHOLESTEROL	Shoot	--	--	Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhani, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
Activities (1)				
Antioxidant IC43=10 uM				
CHOLESTEROL	Leaf	40.0	120.0	*
Activities (1)				
Antioxidant IC43=10 uM				
CHOLINE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (20)				
Antialzheimeran 5-16 g/man/day				
Antichoreic				Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticirrhotic 6,000 mg/man/day				
Anticystinuric				
Antidementia				
Antidiabetic				
Antidyskinetic 150-200 mg/kg/man/day				Martindale's 28th
Antihomocysteine				
Antimanic 15-30 g/man/day/orl				Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antinociceptive				
Antisteatotic				
Cardiodepressant				
Cerebrotonic				
Cholinergic				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Hepatoprotective				
Hypotensive				
Ileorelaxant				
Lipotropic				
Memorigenic				
Parasympathomimetic (1/1,000th acetylcholine)				Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
CHOLINE-SALICYLATE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (2)				
Analgesic				Martindale's 28th
Antialgic				Martindale's 28th
CHROMIUM	Leaf	--	--	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (24)

Amphiglycemic?	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
AntiAGE 200-1,000 ug	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
AntiCFS 200 ug	
Antiacne	
Antiaging 200-1,000 ug	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
Antiatherosclerotic 20 ug/day	
Anticorneotic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidiabetic 200-1,000 ug	
Antidote (Lead)	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antifatigue 200 ug	
Antiglycosuric 200-1,000 ug	
Antiobesity 200-1,000 ug	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
Antisyndrome-X 200-800 ug	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
Antitriglyceride 20 ug/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antitriglyceride 200-1,000 ug	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
Cardioprotective	
Energizer	
Hypocholesterolemic 20 ug/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Hypocholesterolemic 200-1,000 ug	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
Hypoglycemic 200-1,000 ug	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 200-1,000 ug	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
Immunomodulator	
Insulinogenic	
Memorigenic	

CHRYSAMMINIC-ACID

Plant

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Pakistan Encyclopedia Planta Medica. 1986.

CHRYSAZIN

Leaf

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Zwaving, J. H., Elema, E. T. 1976. A Comparative Investigation of Two Methods for the Determination of 1,8-dihydroxyanthracene Derivatives in Vegetable Drugs. Pharm. Weekbl. 111: 1315-.

Activities (5)**Calcium-Antagonist**

Cathartic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Immunosuppressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Topoisomerase-II-Inhibitor 1 mM	Muller, S. O., Eckert, I., Lutz, W. K., Stopper, H. 1996. Genotoxicity of the Laxative Drug Components Emodin, Aloe-emodin and Danthron in Mammalian Cells: Topoisomerase II Mediated? Mutat Res, 371: 165-173.
Topoisomerase-II-Inhibitor IC50=61 uM/ml	Mueller, S. O., Stopper, H. 1999. Characterization of the Genotoxicity of Anthraquinones in Mammalian Cells. Biochimica & Biophysica Acta, 1428: 406-414.

CHRYSOPHANIC-ACID

Plant

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Activities (6)**Antispasmodic****Calcium-Antagonist****Fungicide**

Keratitigenic	Mitchell, J. and Rook, A.J. 1923. Botanical Dermatology: plants and plant products injurious to the skin. Vancouver: Greengrass, 1979. xiii, 787 p.: ill.
Occluoirritant	Mitchell, J. and Rook, A.J. 1923. Botanical Dermatology: plants and plant products injurious to the skin. Vancouver: Greengrass, 1979. xiii, 787 p.: ill.
Pesticide	

CHRYSOPHANIC-ACID

Juice

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Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.

Activities (6)				
Antispasmodic				
Calcium-Antagonist				
Fungicide				
Keratitogenic	Mitchell, J. and Rook, A.J. 1923. Botanical Dermatology: plants and plant products injurious to the skin. Vancouver: Greengrass, 1979. xiii, 787 p.: ill.			
Oculoirritant	Mitchell, J. and Rook, A.J. 1923. Botanical Dermatology: plants and plant products injurious to the skin. Vancouver: Greengrass, 1979. xiii, 787 p.: ill.			
Pesticide				

CHRY SOPHANIC-ACID	Leaf	--	--	Mary, N. Y., Christensen, B. V., Beal, J. L. 1956. A Paper Chromatographic Study of Aloe, Aloin and Cascara sagrada. J. Amer. Pharm. Ass. Sci. Ed., 45: 229-232.
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Activities (6)				
Antispasmodic				
Calcium-Antagonist				
Fungicide				
Keratitogenic	Mitchell, J. and Rook, A.J. 1923. Botanical Dermatology: plants and plant products injurious to the skin. Vancouver: Greengrass, 1979. xiii, 787 p.: ill.			
Oculoirritant	Mitchell, J. and Rook, A.J. 1923. Botanical Dermatology: plants and plant products injurious to the skin. Vancouver: Greengrass, 1979. xiii, 787 p.: ill.			
Pesticide				

CHRY SOPHANOL	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
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Activities (10)				
Antibacterial	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.			
Antiseptic				
Calcium-Antagonist 5/6 aloeemodin				
Candidicide	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.			
Cathartic				
Hemostat				
Pesticide				
Pigment	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Purgative ED50=>500 mg/kg orl mus				
Termitifuge	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			

CHRY SOPHANOL-GLYCOSIDE	Plant	--	--	*
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CINNAMIC-ACID	Plant	--	--	*
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Activities (18)				
Aldose-Reductase-Inhibitor 4 ug/ml (weak activity)	Ichikawa, K., et al. 1991. Isolation and Structure Determination of Aldose Reductase Inhibitors from Traditional Thai Medicine, and Syntheses of Their Derivatives. Sankyo Kenkyusho Nempo, 43: 99-110.			
Allergenic				
Anesthetic				
Antibacterial	Martindale's 28th			
Antiinflammatory				
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.			
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Choleretic				
Dermatitogenic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
FLavor FEMA 4-40	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry			
Fungicide				
Herbicide				
Laxative				
Lipoxygenase-Inhibitor				
Pesticide				
Tyrosinase-Inhibitor ID50=700 uM				
Vermifuge				

COBALT	Leaf	--	--	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
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Activities (2)

Cardiomyopathogenic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Erythrocytogenic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.

CONIFERYL-ALCOHOL

Plant -- --

Pakistan Encyclopedia Planta Medica. 1986.

Activities (6)

Antiaggregant IC50=29 uM	Laekeman, G.M., Van Hoof, L., Haemers, A., Vanden Berghe, D.A., Herman, A.G., and Vlietinck, A.J. Eugenol a Valuable Compound for In Vitro Experimental Research and Worthwhile for Further In Vivo Investigation. <i>Phytotherapy Research</i> 4(3): 93, 1990.
Antioxidant EC50=13-18 ug/ml	
Antiprostaglandin	
Antiradicular EC50=13-18 ug/ml	
Fungicide ED50=125 ug/ml	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.
Pesticide	

COUMARIN

Plant -- --

Pakistan Encyclopedia Planta Medica. 1986.

Activities (57)

Aldose-Reductase-Inhibitor 10 ug/ml cow (weak activity, 11% inhibition)	Okada, Y, et al. 1995. Search for Naturally Occurring Substances to Prevent the Complications of Diabetes. II. Inhibitory Effect of Coumarin and Flavonoid Derivatives on Bovine Lens Aldose Reductase and Rabbit Platelet Aggregation. <i>Chem Pharm Bull</i> 43(8):1385-1387
Allelochemic IC100=2 mM	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.
Analgesic	Zebowitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.
Anesthetic	
Antiaggregant	
Antiandrogenic	<i>Planta Medica</i> , 56(6): 671, 1990.
Antibrucecellosic	Gawron, A., Gorski*, G., Glowniak**, K. 1989. Increased proliferation of phytohaemagglutinin (PHA)-stimulated human leucocytes after 8-methoxypsoralen treatment. <i>J. Pharm. Pharmacol.</i> 42: 194-195, 1990.
Anticancer (Kidney) 400-7,000 mg/day	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Anticancer (Prostate) 400-7,000 mg/day	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antidiuretic	
Antiedemic	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.
Antiesherichic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antiinflammatory	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.
Antilymphedemic	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antimelanomic 50 mg/day	
Antimetastatic 50 mg/man/day	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antimitotic	Pandeya, S.N. 1970. Biological Activity of Adamantyl Derivatives. <i>The Indian Journal of Pharmacy</i> , 33: 7.
Antimononucleotic	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antimutagenic	<i>Economic & Medicinal Plant Research</i> , 6: 235.
Antimycoplasmotic	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antipsittacotic	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antipsoriac	Pandeya, S.N. 1970. Biological Activity of Adamantyl Derivatives. <i>The Indian Journal of Pharmacy</i> , 33: 7.
Antitoxoplasmotic	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antitumor 50 mg/day	
Antitumor (GI)	
Antitumor (Kidney) 400-7,000 mg/day	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Antitumor (Prostate) 400-7,000 mg/day	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Bacteristat	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Bruchiphobe	
Cancer-Preventive 5-25 ug/ml	Gawron, A. and Glowniak, K. 1987. Cytostatic Activity of Coumarins in vitro. <i>Planta Medica</i> 1987: 526.
Carcinogenic 200 mg/kg orl mus	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
Cardiodepressant	
Cardiotonic	
Chemopreventive	
DME-Inhibitor IC50=57.5 uM	Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 134.
Emetic	
Estrogenic	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.

Fungicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Hemorrhagic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Hepatotoxic 0.8-1.71 mM/kg orl rat	
Hepatotoxic 2,500 ppm diet	
Hepatotoxic 100 mg/kg dog	
Hypnotic	Schultes, R.E. De Plantis Toxicariis e Mundo Novo Tropicale Commentationes XXXVI. Justicia (Acanthaceae) as a Source of an Hallucinogenic Snuff. Economic Botany 44(1): 61-70, 1990.
Hypoglycemic 250-1,000 mg/kg orl	Economic & Medicinal Plant Research, 6: 165
Immunostimulant	
Juvabional	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Larvostat	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Lymphocytogenic 100 mg/day	Gawron, A., Gorski*, G., Glowniak**, K. 1989. Increased proliferation of phytohaemagglutinin (PHA)-stimulated human leucocytes after 8-methoxypsoralen treatment. J. Pharm. Pharmacol. 42: 194-195, 1990.
Lymphokinetic	
Narcotic	
Ovicide	
Pesticide	
Phagocytotic	Planta Medica, 56(6): 671, 1990.
Piscicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Respirodepressant	
Rodenticide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Sedative	Schultes, R.E. De Plantis Toxicariis e Mundo Novo Tropicale Commentationes XXXVI. Justicia (Acanthaceae) as a Source of an Hallucinogenic Snuff. Economic Botany 44(1): 61-70, 1990.

CREATININE	Leaf	1.0	15.0	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
CYCLOEICOSANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
CYCLOOXYGENASE	Plant	--	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
CYSTEINE	Leaf	--	--	Yagi, A., Shida, T., Nishimura, H. 1987. Effect of Amino Acids in Aloe Extract on Phagocytosis by Peripheral Neutrophil in Adult Bronchial Asthma. Jap. J. Allergol. 36(12): 1094-1101.

Activities (13)				
AntiAddisonian				
Antibiotic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Anticataract	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Anticytotoxic				
Antiophthalmic	Martindale's 28th			
Antioxidant	Jim Duke's personal files.			
Antitumor				
Antiulcer	Martindale's 29th			
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Detoxicant	Merck 11th Edition			
Glutathionergic				
Ophthalmic-Antialkali	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Pesticide				

CYSTINE	Juice	--	--	Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
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Activities (2)				
Adjuvant				Merck 11th Edition
Antihomocystinuric				Martindale's 29th

D-ARABINOSE	Plant	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
D-GALACTAN	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.

D-GALACTOSE	Leaf	--	--	Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera Tourn. (Ex. Linn). Bangladesh J. Sci. Ind. Res. 16 1/4: 68-72.
D-GALACTOURONIC-ACID	Plant	--	--	*
D-GALACTURONIC-ACID	Leaf	--	--	*
D-GALACTURONIC-ACID	Plant	--	--	*
D-GLUCOSE	Leaf	--	--	Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera Tourn. (Ex. Linn). Bangladesh J. Sci. Ind. Res. 16 1/4: 68-72.

Activities (1)

Antisecretory

D-MANNOSE	Leaf	--	--	Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera Tourn. (Ex. Linn). Bangladesh J. Sci. Ind. Res. 16 1/4: 68-72.
DECYL-CYCLOHEXANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
DEHYDROABIETAL	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
DI-(2-ETHYLHEXYL)-PHTHALATE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
DIBUTYL-PHTHALATE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
DIHEPTYL-PHTHALATE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
DIOCTYL-PHTHALATE?	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
DODECYL-BENZENE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
DODECYL-CYCLOHEXANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
ELGONICA-DIMER-A	Leaf	--	7.2	Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
ELGONICA-DIMER-B	Leaf	--	2.7	Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
EMODIN	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.

Activities (58)

AGEs-Inhibitor IC50=118 uM

Aldose-Reductase-Inhibitor IC50=15.9 uM

Allergenic Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

AntiMRSA MIC 2-64 ug/ml

Antiaggregant

Antiangiogenic

Antibacterial

Anticytomegalovirus ED50=1.1 ug/ml

Antifeedant Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.

Antiinflammatory 15 mg/kg

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

Antilymphomic

Antimutagenic

Antineoplastic

Antiplatelet ED50=1.1 ug/ml

Antiproliferant IC50=20-30 uM

Antisarcomic

Antiseptic

Antilymphomic
 Antimutagenic
 Antineoplastic
 Antiplaque ED50=1.1 ug/ml
 Antiproliferant IC50=20-30 uM
 Antisarcotic
 Antiseptic
 Antispasmodic Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
 Antisprout
 Antitumor (Breast)
 Antiulcer 15 mg/kg
 Antivaginitic Tillotson, A. K. (with Abel, Jr., R., Tillotson, N.H., Bajracharya, V.M.B.). 2001. The One Earth Herbal Sourcebook: Everything You Need to Know about Chinese, Western, and Ayurvedic Herbal Treatments. Twin Streams, Kensington Publishing Corp. NY,NY. 596 pp
 Antiviral ED50=1.1 ug/ml
 Antiviral EC50=1.1
 CNS-Depressant 15 mg/kg ipr mus
 COX-2-Inhibitor
 Cathartic Merck 11th Edition
 Collagenase-Inhibitor IC50=40 uM
 Cytotoxic CD50=2.6 ug/ml
 Differentiator IC50=20-30 uM
 Estrogenic
 Genotoxic
 Gonadotropic
 Hypolipidemic
 Immunostimulant
 Immunosuppressant
 Leucocytogenic
 MMP-2-Inhibitor
 MMP-7-Inhibitor
 MMP-9-Inhibitor
 Mutagenic
 NO-Inhibitor IC50=60.7 uM
 PGE2-Inhibitor
 PTK-Inhibitor 10-100 uM
 PTK-Inhibitor IC50=19-37 uM
 Pesticide
 Prostaglandin-Synthesis-Inhibitor IC50=23 uM/ml Mueller, S. O., Stopper, H. 1999. Characterization of the Genotoxicity of Anthraquinones in Mammalian Cells. Biochimica & Biophysica Acta, 1428: 406-414.
 Protein-Kinase-C-Inhibitor IC50=25 uM
 Purgative ED50=>500 mg/kg orl mus
 Styptic
 Topoisomerase-II-Inhibitor 1 mM Muller, S. O., Eckert, I., Lutz, W. K., Stopper, H. 1996. Genotoxicity of the Laxative Drug Components Emodin, Aloe-emodin and Danthron in Mammalian Cells: Topoisomerase II Mediated? Mutat Res, 371: 165-173.
 Topoisomerase-II-Inhibitor IC50=7 uM/ml Mueller, S. O., Stopper, H. 1999. Characterization of the Genotoxicity of Anthraquinones in Mammalian Cells. Biochimica & Biophysica Acta, 1428: 406-414.
 Trichomonicide
 Tyrosine-Kinase-Inhibitor
 Vasodilator
 Vasorelaxant
 iNOS-Inhibitor

FAT	Leaf	--	8000.0	-0.97	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
FERALOLIDE	Leaf	--	14.5		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
FIBER	Leaf	--	177000.0	0.19	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (15)

Angiotensin-Receptor-Blocker	
Antidiabetic	
Antihypertensive	
Antiobesity	
Antitumor	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiulcer	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Beta-Blocker	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Cardioprotective	
Diuretic	
Hypocholesterolemic	
Hypotensive 10 g/man/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Hypouricemic	
Laxative	
Vasodilator	

FOLACIN

Leaf 0.027 0.2 -1.02 *

Activities (15)

AntiSpina-Bifida	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antianemic 5-20 mg/man/day	
Anticervicaldysplasic 8-30 mg/wmn/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anticheilitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidepressant	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antigingivitic 2-5 mg/day/man	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiglossitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antimyelotoxic 5 mg/day/orl/man	Martindale's 29th
Antineuropathic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiperiodontitic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiplateque	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antipsychotic	Martindale's 29th
Hematopoietic	Merck 11th Edition
Uricosuric	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Xanthine-Oxidase-Inhibitor	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).

FOLIC-ACID

Leaf 27.0 200.0 1.0 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

Activities (23)

AntiSpina-Bifida	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antianemic 5-20 mg/man/day	
Anticervicaldysplasic 8-30 mg/wmn/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anticheelitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticoronary 400 ug/man/day	
Antidementia 10-20 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antidepressant 800 ug/day	
Antingingivitic 2-5 mg/day/man	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiglossitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antigout 10-40 mg/day	
Antiinfertility	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antimetaplastic 10 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antimyelotoxic 5 mg/day/orl/man	Martindale's 29th
Antineuropathic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiperiodontal 1 mg day	
Antiplaque	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antipolyp (preventive)	
Antipsychotic	Martindale's 29th
Cancer-Preventive	
Hematopoietic	Merck 11th Edition
Immunostimulant	
Uricosuric	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Xanthine-Oxidase-Inhibitor	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).

FORMIC-ACID

Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

Activities (13)

Acaricide	
Antiseptic	
Antisyncopic	
Astringent	Merck 11th Edition
Corrosive	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Counterirritant	Merck 11th Edition
FLavor FEMA 500-2,500	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Fungistat	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Fungitoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Irritant	
Pesticide	
Preservative	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Toxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

FRUCTOSE

Stem -- -- Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.
Essent.
Oil

Activities (8)

Antialcoholic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antidiabetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antihangover	
Antiketotic	Merck 11th Edition
Antinauseant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Laxative	
Neoplastic	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sweetener 2 x glucose	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

FRUCTOSE

Leaf -- -- Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.

Activities (8)				
Antialcoholic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antidiabetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antihangover				
Antiketotic	Merck 11th Edition			
Antinauseant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Laxative				
Neoplastic	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses			
Sweetener 2 x glucose	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			

FRUCTOSE Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

Activities (8)				
Antialcoholic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antidiabetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antihangover				
Antiketotic	Merck 11th Edition			
Antinauseant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Laxative				
Neoplastic	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses			
Sweetener 2 x glucose	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			

GALACTAN Leaf -- 100.0 Mandal, G., Das, A. 1980. Characterization of the Polysaccharides of Aloe barbadensis, Part I. Structure of the D-Galactan Isolated from Aloe barbadensis Miller. Carbohydr. Res. 86: 247-257.

GALACTOSE Leaf -- -- *

Activities (1)				
Sweetener 0.32 x sucrose				Martindale's 28th

GALACTOSE Plant -- -- *

Activities (1)				
Sweetener 0.32 x sucrose				Martindale's 28th

GAMOLENIC-ACID Plant -- -- Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

GLOBULIN Leaf -- 2.0 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

GLUCOGALACTOMANNAN Leaf -- -- *

GLUCOMANNAN Leaf -- -- Mandal, G., Das, A. 1980. Characterization of the Polysaccharides of Aloe barbadensis Miller, Part II. Structure of the Glucomannan Isolated from the Leaves of Aloe barbadensis Miller. Carbohydr. Res. 87: 249-256.

Activities (3)				
Anorectic?				Martindale's 29th
Antidiabetic				
Hypocholesterolemic				

GLUCOMANNAN Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

Activities (3)				
Anorectic?				Martindale's 29th
Antidiabetic				
Hypocholesterolemic				

GLUCOSAMINE Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

Activities (12)					
Antiacid	Martindale's 29th				
Antialdosteronic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Antidote (Hypoglycin-A)	Martindale's 29th				
Antiencephalopathic	Martindale's 29th				
Antigastritic	Martindale's 29th				
Antiprostaglandin 125-250 mg 3 x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antipruritic	Merck 11th Edition				
Antisickling	Ekeke, G.I. and Shode, F.O. 1988. Phenylalanine is the Predominant Antisickling Agent in Cajanus cajan Seed Extract. Planta Medica 56(1): 41, 1990.				
Antiulcer	Martindale's 29th				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Neuroinhibitor	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Uricosuric					

HECOGENIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
HENEICOSANOIC-ACID-METHYL-ESTER	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
HEPTADEC-1-ENE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
HEXAURONIC-ACID	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
HISTIDINE	Leaf	--	2327.0	-1.53	*

Activities (7)					
Antiarteriosclerotic					
Antinephritic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antioxidant					
Antiulcer					
Antiremic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Oxidant					
HOMONATALOIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
HYDROCINNAMIC-ACID	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
HYDROXYMETHYLANTHRAQUINONE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
HYDROXYPROLINE	Juice	--	--		Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.

Activities (1)					
Vulnerary					
IRON	Leaf	30.0	300.0	-0.16	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

Activities (6)					
Antiakathisic	Martindale's 29th				
Antianemic	Martindale's 29th				
Anticancer					
Anticheilitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antimenorrhagic 100 mg/day/wmn/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Prooxidant					
ISOALOERESIN-D	Leaf	--	--		*
ISOALOESOL-D	Juice	--	--		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
ISOBARBALOIN	Plant	--	--		=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

ISOBARBALOIN	Leaf	--	--		*
ISOCITRIC-ACID	Leaf	--	--		Kringstad, R., Nordal, A. 1975. Lactone-Forming Acids in Succulent Plants. <i>Phytochemistry</i> , 14: 1868-1870.
ISOLEUCINE	Leaf	--	8526.0	-0.91	*
Activities (3)					
Antiencephalopathic?	Martindale's 29th				
Antipellagric	Martindale's 28th				
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.				
ISORABAICHRMONE	Juice	--	1457.0		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. <i>Phytochemistry</i> , 45(7): 1511-1513.
KILOCALORIES	Leaf	--	2800.0	-0.35	Pedersen, M. 1987. <i>Nutritional Herbology.</i> Pederson Publishing. Bountiful, Utah. 377 pp.
L-ASPARAGINE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
LAURIC-ACID	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
Activities (7)					
Antibacterial					
Antioxidant IC71=60					
Antiviral					
COX-1-Inhibitor IC40=100					
COX-2-Inhibitor IC20=100					
Candidicide					
Hypercholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. <i>CRC Handbook of Lipids in Human Nutrition.</i> CRC Press. Boca Raton, FL. 233 pp.)				
LAURIC-ACID-METHYL-ESTER	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
LEUCINE	Leaf	--	6952.0	-1.47	*
Activities (2)					
Antiencephalopathic	Martindale's 29th				
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.				
LIGNIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Activities (13)					
AntiHIV					
Antibacterial					
Anticancer					
Anticoronary					
Antidiarrheic	Martindale's 29th				
Antinitrosaminic					
Antioxidant					
Antitumor					
Antiviral					
Chelator					
Hypocholesterolemic					
Laxative					
Pesticide					
LINOLEIC-ACID	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.

Activities (27)

5-Alpha-Reductase-Inhibitor

AntiMS	Economic & Medicinal Plant Research, 6: 189.
Antiacne	
Antialopecic	
Antianaphylactic	Economic & Medicinal Plant Research, 6: 189.
Antiandrogenic	
Antiarteriosclerotic	
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.
Propepic	

LINOLEIC-ACID-ETHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
LIPASE	Leaf	--	16.0	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
LUPEOL	Leaf	--	--	*

Activities (4)

Antialkalotic	Martindale's 29th
Antiherpetic 0.5-3 g/day	
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Hypoarginanemic 250 mg/kg	Martindale's 29th

LYSOPHOSPHATIDYL-INOSITOL	Shoot	--	--		Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
M-PROTocatechuic-ALDEHYDE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
MAGNESIUM	Leaf	--	930.0	-1.23	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (65)

AntiCFS	
AntiLyme 400-1,000 mg	
AntiMS	
AntiPMS 400-800 mg/day/wmn/orl	
AntiPMS 400-800 mg/day/wmn orl	
AntiRaynaud's 280-350 mg/day	
Antiaggregant 400 mg/day	
Antialcoholic	
Antianginal 400 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antianorectic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antianxiety 400 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiarrhythmic 400 mg/day	
Antiarthritic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiasthmatic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiatherosclerotic 400 mg/day	
Anticephalagic	
Anticlimacteric 500-750 mg/day	
Anticonvulsant	Facciola, S. 1998. Cornucopia - A Source Book of Edible Plants. Kampong Publications, Vista CA. 713 pp.
Anticoronary 400 mg/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
Antidepressant	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidiabetic 400-800 mg/man/day	
Antidysmenorrheic 100 mg 4 x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiendometriotic 500 mg/day	
Antienterotic	
Antiepileptic 450 mg/day	
Antifatigue	
Antifibromyalgic 200-300 mg 3x/day	
Antigastrotic	
Antiglaucomic	
Antihyperkinetic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antihypertensive	
Antihypoglycemic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiinflammatory 100 mg 4 x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiinsomniac	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antilithic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antimastalgic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antimenopausal 500-750 mg/day	
Antimigraine 200 mg/day/man	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antimitral-valve-prolapse	
Antinephrolytic	
Antineurotic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiosteoporotic 500-1,000 mg/day/wmn/orl	
Antiplateque 500-1,000 mg/day	

Antiretinopathic 400 mg/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
Antispasmodic	
Antispasmophilic 500 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antistress 500-750 mg/day	
Antistroke 400 mg/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
Antisyndrome-X 400 mg/man/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
Anxiolytic 500-750 mg/day	
CNS-Depressant	Facciola, S. 1998. Cornucopia - A Source Book of Edible Plants. Kampong Publications, Vista CA. 713 pp.
Calcium-Antagonist	
Cardioprotective	
Diuretic	
Hypocholesterolemic 400 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Hypotensive 260-500 mg/day	
Immunomodulator	
Insulinogenic 400 mg/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
Laxative 300-500 mg/day	
Litholytic	
Myorelaxant 100 mg 4 x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Neurotransmitter	
Tranquilizer 500-750 mg/day	
Uterorelaxant 100 mg 4 x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Vasodilator	

MAGNESIUM-LACTATE	Plant	--	--	*	
MANGANESE	Leaf	--	0.6	-0.46	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (14)					
AntiPMS					
Antialcoholic	Forest H. Nielsen, USDA, Grand Forks, various publications.				
Antianemic	Martindale's 28th				
Antiarthritic					
Antidiabetic 3-5 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antidiabetic 10-30 mg/man/day					
Antidiscotic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antidyskinetic	Martindale's 28th				
Antiepileptic 450 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiosteoporotic					
Antiototic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Antioxidant					
Antisyndrome-X 10-30 mg/man/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				
Hypoglycemic 10-30 mg/man/day					

MANNAN	Leaf	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
MANNOSE	Leaf	--	--	*	

Activities (3)					
AntiUTI					
Antiadhesive					
Anticystitic 0.25-1 tsp 3-4 x/day orl man					

MANNOSE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
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Activities (3)					
AntiUTI					
Antiadhesive					
Anticystitic 0.25-1 tsp 3-4 x/day orl man					

MARGARIC-ACID	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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MARGARIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
MONOOCTYLPHTHALATE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
MUCILAGE	Leaf	--	--	Segal, A., Taylor, J. A., Eoff III, J. C. 1968. A Re-Investigation of the Polysaccharide Material from Aloe vera mucilage. LLOYDIA 31(4): 423E.
Activities (3)				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Demulcent				
Hypocholesterolemic				
MUCILAGE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (3)				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Demulcent				
Hypocholesterolemic				
MUCOPOLYSACCHARIDES	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
Activities (1)				
Immunostimulant				
MYRISTIC-ACID	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
Activities (6)				
Antioxidant IC71=60				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Cosmetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 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.			
MYRISTIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-DOCOSANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-EICOSANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-HENEICOSANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-HEPTADECANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-HEXADECANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-NONADECANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
N-OCTADECANE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
NATALOIN	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
NEOALOESIN-A	Leaf	--	6.6	Park, M. K., Park, J. H., Shin, Y. G., Kim, W. Y., Lee, J. H., Kim, K. H. 1996. Neoaloesin A: A New C-Glucofuranosyl Chromone from Aloe barbadensis. Planta Medica, 62(4): 363-365.
NIACIN	Leaf	--	64.0	-0.41 Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (39)				
Allergenic	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
AntiLyme 50 mg/day				
AntiMeniere's	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.			
AntiRaynaud's 1,500-4,000 mg/day				
Antiacrodynic				
Antiallergic 50 mg/2x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antialzheimeran				
Antiamblyopic				
Antianginal				
Anticataract				
Antichilblain	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Anticonvulsant 3 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antidementia				
Antidermatitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.			
Antidiabetic				
Antidysphagic				
Antiepileptic 3 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antihangover 50 mg				
Antihistaminic 50 mg 2x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antihyperactivity 1.5-6 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antiinsomnic 1 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antineuralgic				
Antiparkinsonian 100 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antipellagric	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.			
Antiscotomic				
Antispasmodic 100 mg 2x/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.			
Antivertigo				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Cardioprotective				
Circulotonic				
Fibrinolytic				
Hepatoprotective				
Hepatotoxic				
Hypocholesterolemic 50-100 mg 3x/day				
Hypoglycemic				
Hypolipidemic				
Sedative	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Serotonergic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Vasodilator	Martindale's 29th			

NIACINAMIDE Plant -- -- *

Activities (1)				
Antiinflammatory	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
NONADEC-1-ENE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
NONADEC-TRANS-5-ENE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
OCTADEC-1-ENE	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

Activities (1)				
Herbistat				
OCTADEC-7-ENOIC-ACID	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
OCTADECA-10,13-DIENOIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
OCTADECA-6,9-DIENOIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

OCTADEC-9,12-DIENOIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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OLEIC-ACID	Shoot	--	--	Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhimi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
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Activities (18)

5-Alpha-Reductase-Inhibitor

Allergenic

Alpha-Reductase-Inhibitor

Anemiagenic

Antialopecic

Antiandrogenic

Antiinflammatory
IC50=21 uM

Antileukotriene-D4
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

OLEIC-ACID-ETHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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Activities (1)

Calcium-Antagonist 0.5 g/kg scu rbt

OLEIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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OLEIC-ACID-METHYL-ESTER	Shoot	--	--	Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhimi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
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OLIGOSACCHARIDE	Leaf	--	--	Mandal, G., Ghosh, R., Das, A. 1984. Characterisation of Polysaccharides of Aloe barbadensis Miller: Part III. Structure of an Acidic Oligosaccharide. Indian J. Chem. 22B: 890-893.
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OXIDASE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
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P-COUMARIC-ACID	Leaf	--	--	Doff, W. 1953. In Vitro Tuberculostatic Action of Aloe and its Most Important Components. Arzneim-Forsch 3: 627-630.
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Activities (25)

Aldose-Reductase-Inhibitor 4 ug/ml (weak activity)	Ichikawa, K., et al. 1991. Isolation and Structure Determination of Aldose Reductase Inhibitors from Traditional Thai Medicine, and Syntheses of Their Derivatives. Sankyo Kenkyusho Nempo, 43: 99-110.
Allelopathic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antibacterial	Pharmazie, 46: 156, 1991.
Anticlastogen	
Antifertility	
Antihepatotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antileukemic IC50=25-56 ug/ml	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.
Antinitrosaminic	Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.
Antioxidant IC24=30 ppm	
Antioxidant 1/3 BHA	
Antiperoxidant IC50=>100 uM	Planta Medica, 57: A54, 1991.
Antiseptic	
Antispasmodic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Antitumor	
Cancer-Preventive	
Chemopreventive	
Choleretic	
Cytotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Diaphoretic?	Lawrence Review of Natural Products, Dec-90.
Fungicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Lipoxygenase-Inhibitor IC11=5 mM	Oszmianski, J. and Lee, C.Y. 1990. Inhibitory Effect of Phenolics on Carotene Bleaching in Vegetables. J. Agric. Food Chem. 38: 688-690.
Pesticide	
Prostaglandigenic	
Prostaglandin-Synthesis-Inhibitor	
Tyrosinase-Inhibitor ID50=3,650 uM	

P-COUMARIC-ACID

Plant -- --

Pakistan Encyclopedia Planta Medica. 1986.

Activities (25)

Aldose-Reductase-Inhibitor 4 ug/ml (weak activity)	Ichikawa, K., et al. 1991. Isolation and Structure Determination of Aldose Reductase Inhibitors from Traditional Thai Medicine, and Syntheses of Their Derivatives. Sankyo Kenkyusho Nempo, 43: 99-110.
Allelopathic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antibacterial	Pharmazie, 46: 156, 1991.
Anticlastogen	
Antifertility	
Antihepatotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antileukemic IC50=25-56 ug/ml	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.
Antinitrosaminic	Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.
Antioxidant IC24=30 ppm	
Antioxidant 1/3 BHA	
Antiperoxidant IC50=>100 uM	Planta Medica, 57: A54, 1991.
Antiseptic	
Antispasmodic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Antitumor	
Cancer-Preventive	
Chemopreventive	
Choleretic	
Cytotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Diaphoretic?	Lawrence Review of Natural Products, Dec-90.
Fungicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Lipoxygenase-Inhibitor IC11=5 mM	Oszmianski, J. and Lee, C.Y. 1990. Inhibitory Effect of Phenolics on Carotene Bleaching in Vegetables. J. Agric. Food Chem. 38: 688-690.
Pesticide	
Prostaglandigenic	
Prostaglandin-Synthesis-Inhibitor	
Tyrosinase-Inhibitor ID50=3,650 uM	

P-COUMARIC-ACID

Juice -- --

Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.

Activities (25)

Aldose-Reductase-Inhibitor 4 ug/ml (weak activity)	Ichikawa, K., et al. 1991. Isolation and Structure Determination of Aldose Reductase Inhibitors from Traditional Thai Medicine, and Syntheses of Their Derivatives. Sankyo Kenkyusho Nempo, 43: 99-110.
Allelopathic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antibacterial	Pharmazie, 46: 156, 1991.
Anticlastogen	
Antifertility	
Antihepatotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antileukemic IC50=25-56 ug/ml	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.
Antinitrosaminic	Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.
Antioxidant IC24=30 ppm	
Antioxidant 1/3 BHA	
Antiperoxidant IC50=>100 uM	Planta Medica, 57: A54, 1991.
Antiseptic	
Antispasmodic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Antitumor	
Cancer-Preventive	
Chemopreventive	
Choleretic	
Cytotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Diaphoretic?	Lawrence Review of Natural Products, Dec-90.
Fungicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Lipoxygenase-Inhibitor IC11=5 mM	Oszmianski, J. and Lee, C.Y. 1990. Inhibitory Effect of Phenolics on Carotene Bleaching in Vegetables. J. Agric. Food Chem. 38: 688-690.
Pesticide	
Prostaglandigenic	
Prostaglandin-Synthesis-Inhibitor	
Tyrosinase-Inhibitor ID50=3,650 uM	

P-METHOXY-HYDROCINNAMIC-ACID	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
P-METHOXYBENZYLACETONE	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
PALMITIC-ACID	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

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

PALMITIC-ACID-ETHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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Activities (1)

Calcium-Antagonist 0.5 g/kg scu rbt

PALMITIC-ACID-METHYL-ESTER	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
PALMITOLEIC-ACID	Juice	--	--	Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

Activities (2)						
5-Alpha-Reductase-Inhibitor						
Soap						Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
PALMITOLEIC-ACID-METHYL-ESTER	Juice	--	--			Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
PECTIC-ACID	Plant	--	--			Pakistan Encyclopedia Planta Medica. 1986.
PENTADECANOIC-ACID	Juice	--	--			Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
Activities (1)						
Antioxidant IC40=60						
PHENYLALANINE	Leaf	--	7103.0	-0.82	*	
Activities (7)						
AntiADD 587 mg/day/orl						Martindale's 29th
Antidepressant 50-4,000 mg/day/man						
Antiparkinsonian 200-500 mg/day/man						Martindale's 28th
Antisickling 690 ug/ml						
Antivilitigic 100 mg/kg/day/orl/man						Martindale's 29th
Monoamine-Precursor						Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine.</i> John Bastyr College Publications, Seattle, Washington (Looseleaf).
Tremorigenic 1,600-12,600 mg/man/day						Martindale's 28th
PHOSPATIDIC-ACID	Shoot	--	--			Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
PHOSPHATIDYL-CHOLINE	Shoot	--	--			Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
Activities (2)						
Antialzheimeran 10-25 g/day/orl						
Antimanic 15-30 g/man/day/orl						Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine.</i> John Bastyr College Publications, Seattle, Washington (Looseleaf).
PHOSPHATIDYL-ETHANOLAMINE	Shoot	--	--			Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
PHOSPHATIDYL-INOSITOL	Shoot	--	--			Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
PHOSPHATIDYL-SERINE	Shoot	--	--			Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
PHOSPHORUS	Leaf	6.0	940.0	-0.74	*	
Activities (4)						
Antiosteoporotic						Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine.</i> Avon Books, New York. 509pp.
Anxiolytic						
Immunostimulant						Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine.</i> Avon Books, New York. 509pp.
Osteogenic						Davies, S., and Stewart, A. 1990. <i>Nutritional Medicine.</i> Avon Books, New York. 509pp.
PHYTOSTEROLS	Plant	--	--			Pakistan Encyclopedia Planta Medica. 1986.
Activities (2)						
Antiprostatic						
Hypocholesterolemic						
POLYPHENOLS	Plant	--	--			Pakistan Encyclopedia Planta Medica. 1986.

Activities (30)					
Anthelmintic					
AntiHIV					
Antiangiogenic					
Antibacterial					
Anticariogenic					
Antidiarrheic					
Antidysenteric					
Antihepatotoxic					
Antihypertensive					
Antilipolytic					
Antimutagenic					
Antiphidic	Economic & Medicinal Plant Research, 5: 363.				
Antioxidant IC50=1.44 ug/ml					
Antiradicular 500 mg/kg/day orl mu	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- Inhibitor					
Glucosyl- Transferase-Inhibitor					
Hepatoprotective					
Immunosuppressant					
Lipoxygenase- Inhibitor					
MAO-Inhibitor					
Ornithine- Decarboxylase- 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- Inhibitor					

POLYSACCHARIDE	Leaf	--	--			Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera. Bangladesh J. Sci. Ind. Res. 16: 68-72.
POLYSACCHARIDE	Juice	--	--			Gowda, D. C., Nellisiddaiah, B., Anjaneyalu, Y. V. 1979. Structural Studies of Polysaccharides from Aloe vera. Carbohydr. Res. 72: 201-205.
POLYSACCHARIDE	Plant	--	--			Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
POLYURONIDE	Plant	--	--			Pakistan Encyclopedia Planta Medica. 1986.
POTASSIUM	Leaf	100.0	850.0	-1.3	*	

Activities (14)						
Angiotensin-Receptor-Blocker						
Antiarrhythmic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.					
Antidepressant	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.					
Antifatigue	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.					
Antihypertensive						
Antispasmodic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.					
Antistroke						
Anxiolytic						
Beta-Blocker						
Cardioprotective 3,000-5,000 mg						
Cardiotoxic 18,000 mg/man/day						
Diuretic						
Hypotensive						
Vasodilator						
PROLINE	Leaf	--	3339.0	-1.15	*	

PROTEIN	Juice	--	25000.0		Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
PROTEIN	Leaf	10000.0	57000.0	-1.54	*
PROTEINASE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
PTEROYLGLUTAMIC-ACID	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
PURINE	Leaf	1.0	56.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
QUINONE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
RESIN	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
RESITANNOLS	Plant	--	--		*
RHAMNOSE	Leaf	--	--		Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
RHAMNOSE	Plant	--	--		*
RHEIN	Juice	--	--		Vittori, N., Collins, M. 1996. Production of Rhein and Rhein Derivatives for Treatment of Mycobacterial Infections.

Activities (18)

Antibacterial	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
Anticarcinomic	
Anticariogenic	
Anticytomegalovirus ED50=1.1 ug/ml	
Antineoplastic	
Antiplatelet ED50=0.6 ug/ml	
Antiseptic	
Antitumor	
Antiviral EC50=1.1	
Antiviral ED50=0.61 ug/ml	
Calcium-Antagonist 9/10 aloemodin	
Candidicide	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.
Cathartic	
Cytotoxic CD50=3.4 ug/ml	
Fungicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Pesticide	
Proteinase-Inhibitor	
Purgative ED50=97.5 mg/kg orl mus	

RHEIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
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Antiangiogenic 230 ug/kg orl rat	
Antiarthritic	
Antiasthmatic	
Antiatherosclerotic	
Anticataract 400 ug/day	
Anticirrhotic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticlimacteric 200 ug/day	
Anticoronary 200 ug/day	
Antidandruff	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidepressant 200 ug/day	
Antidote (Mercury)	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antifibrotic 400 ug	
Antigout 200 ug	
Antikeshan	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antileukemic 1.6 mg/kg ipr mus	
Antileukotriene	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antimaculitic	
Antimelanomic 480 ug/kg	
Antimenopausal 200 ug/day	
Antimetastatic 480 ug/kg	
Antimyalgic 200 ug/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiosteoarthritic	
Antioxidant 100-200 (-400) ug/man/day	
Antiparkinsonian 200-400 ug/day	
Antiproliferant 2 uM	
Antiradicular 100-200 (-400) ug/man/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
Antirheumatic	
Antisyndrome-X 100-200 (-400) ug/man/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 100-200 (-400) ug/man/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 (Breast) 333.6 ug/day	
Antitumor (Breast) 0.8 mg/kg scu mus	
Antitumor (Breast) 150 ug/kg diet rat	
Antitumor (Breast) 230 ug/kg orl rat	
Antitumor (Lung) 240 ug/kg diet	
Antitumor (Prostate)	
Antitumor (brain) 38-150 ug/kg	
Antiulcerogenic	Rafatullah, S., Tariq, M., Al-Yahya, M.A., Mossa, J.S., and Ageel, A.M. 1989. Evaluation of Turmeric (<i>Curcuma longa</i>) for Gastric and Duodenal Antiulcer Activity in Rats. <i>J. of Ethnopharmacology</i> , 29: 25-34, 1990.
Anxiolytic	
Apoptotic	
Cancer-Preventive	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Cardioprotective 200 ug/day	
Depressant	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.
Fungicide	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Immunomodulator	
Immunostimulant 100-200 (-400) ug/man/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
NF-kB-Inhibitor	
Ornithine-Decarboxylase-Inhibitor	
Pesticide	
Polyamine-Synthesis-Inhibitor	
Prostaglandin-Sparer	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.
Protein-Kinase-C-Inhibitor IC50=2-50 uM	
VEGF-Inhibitor	

Activities (1)					
Cancer-Preventive					Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
SILICON	Leaf	--	2.2	-0.41	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Activities (4)					
Antiarteriosclerotic					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antionychotic					
Antiosteoporotic					
Cardioprotective					
SODIUM	Leaf	40.0	510.0	-0.56	*
Activities (1)					
Hypertensive					Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
SPHINGOMYELIN	Shoot	--	--		Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
STEARIC-ACID	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
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.
STEARIC-ACID-ETHYL-ESTER	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
STEROIDS	Plant	--	--		*
STIGMASTEROL	Shoot	--	--		Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
Activities (12)					
Antihepatotoxic					
Antiinflammatory					Lawrence Review of Natural Products, 1995
Antinociceptive					
Antiophidic 2.3 mg ipr mus					Economic & Medicinal Plant Research, 5: 363.
Antioxidant IC33=10 uM					
Antiviral					Abid Ali Khan, M.M., Jain, D.C., Bhakuni, R.S., Zaim, M., and Thakur, R.S. 1991. Occurrence of some antiviral sterols in Artemisia annua. Plant Science, 75: 161-165, 1991.
Artemicide LC50=110 ppm					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.
Cancer-Preventive					Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Estrogenic					
Hypocholesterolemic					Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Ovulant					
Sedative					
SULFOQUINOVOSYL-DIGLYCERIDE	Shoot	--	--		Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
TANNINS	Plant	--	--		*
TETRADECYLBENZENE	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

THIAMIN Leaf -- 0.8 -1.56 Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (31)

Analgesic 1-4 g/day Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

AntiLyme 50 mg

Antialcoholic 50-100 mg/day

Antialzheimeran 100-3,000 mg/day Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

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

Antibackache 1-4 g/day Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Antiberiberi

Anticanker

Anticardiospasmic

Anticataract

Anticolitic

Antidecubitic

Antideliriant

Antidementia

Antidyspeptic

Antiencephalopathic Martindale's 29th

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

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

Antihangover 50 mg

Antiheartburn

Antiherpetic

Antimigraine

Antimyocarditic

Antineuralgic 1-4 g/day Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Antineurasthenic

Antineuritic

Antineuropathic 50 mg Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.

Antipoliomyelitic

Insectifuge 75-150 mg/man/day Martindale's 28th

Neuroprotective

Pesticide

THREITOL Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

THREONINE Leaf -- 14652.0 1.63 *

Activities (4)

Antioxidant?

Antiulcer Martindale's 29th

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

FLavor FEMA 1,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

TIN Leaf -- 11.0 -0.55 Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities (4)

Antiacne

Antibacterial

Pesticide

Taenicide Martindale's 28th

TRICOSANOIC-ACID-METHYL-ESTER Juice -- -- Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

TRIDECYLBENZENE Juice -- -- Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

TRIHYDROXYMETHYLANTHRAQUINONE Plant -- -- Pakistan Encyclopedia Planta Medica. 1986.

TRIOLEIN	Shoot	--	--			Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
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Activities (1)

Antiangregant

TYROSINE	Leaf	--	5073.0	-0.81	*	
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Activities (8)

Antidepressant?

Antiencephalopathic Martindale's 29th

Antiparkinsonian 100 mg/kg/day Werbach, M. 1993. *Healing with Food*. Harper Collins, New York, 443 pp.

Antiphenylketonuric Martindale's 29th

Antiulcer 256 mg scu Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. *Drug Dosage in Laboratory Animals: A Handbook*. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Antiulcer 400 mg/kg ipr rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. *Drug Dosage in Laboratory Animals: A Handbook*. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Cancer-Preventive Stitt, P. A. *Why George Should Eat Broccoli*. Dougherty Co, Milwaukee, WI, 1990, 399 pp.

Monoamine-Precursor Pizzorno, J.E. and Murray, M.T. 1985. *A Textbook of Natural Medicine*. John Bastyr College Publications, Seattle, Washington (Looseleaf).

UNDECYL-CYCLOHEXANE	Juice	--	--			Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
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UREA	Leaf	--	10.0			Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
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URONIC-ACID	Plant	--	--			Pakistan Encyclopedia Planta Medica. 1986.
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VALINE	Leaf	--	12769.0	0.02	*	
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Activities (3)

Antiencephalopathic Martindale's 29th

Essential

FLavor FEMA 1,000-2,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

WATER	Plant	--	995000.0	0.96		Pedersen, M. 1987. <i>Nutritional Herbology</i> . Pederson Publishing. Bountiful, Utah. 377 pp.
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XYLOSE	Plant	--	--			Leung, A.Y., <i>Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics</i> , John Wiley & Sons, New York, 1980.
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Activities (3)

Antidiabetic

Diagnostic Martindale's 28th

Dye Merck 11th Edition

XYLOSE	Leaf	--	--		*	
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Activities (3)

Antidiabetic

Diagnostic Martindale's 28th

Dye Merck 11th Edition

ZINC	Leaf	11.0	770.0	4.2	*	
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Activities (77)

ACE-Inhibitor

Analgesic

AntiBPH 25-60 mg/day

AntiCrohn's Davies, S., and Stewart, A. 1990. *Nutritional Medicine*. Avon Books, New York. 509pp.

AntiHIV

Antiacne 135 mg/day

Antiacrodermatitic 8-34 mg/day/orl/chd Martindale's 29th

Antialcoholic

Antialopepic Davies, S., and Stewart, A. 1990. *Nutritional Medicine*. Avon Books, New York. 509pp.

Antialzheimeran 50 mg/day Werbach, M. 1993. *Healing with Food*. Harper Collins, New York, 443 pp.

Antiangiogenic

Antianorexic Martindale's 29th

Antiarthritic 50 mg/3x/day/orl/man	
Anticanker 100 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Anticataract 30 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Anticoeliac	Martindale's 28th
Anticold 50 mg	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticoilitic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Anticoronary 30 mg/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
Antidandruff	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antidementia	
Antidiabetic 30 mg/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
Antidote (Cadmium)	Let's Live, May 1989.
Antidysgeuzic	
Antieczemic 150 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiencephalopathic	Martindale's 29th
Antiepileptic 100 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antifibrotic 30 mg	
Antifuruncular 45 mg/3x/day/man	Martindale's 28th
Antihangover 15 mg	
Antiherpetic? 25-60 mg/day	
Antiimpotence	Martindale's 29th
Antiinfective 50 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiinfertility 60 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antiinsomniac	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antileptic	Martindale's 29th
Antileukonychic	
Antilymphomic	
Antimaculitic	
Antimetastatic	
Antineuropathic	
Antinyctalopic	
Antiobesity 30 mg/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
Antiosteoporotic	
Antiperiodontitic	
Antiplateque	Martindale's 29th
Antiprolactin	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiprostatic 50 mg/man/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antirheumatic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Antiseptic 50 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antispare-Tire 30 mg/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
Antistomatitic 50 mg/man/3x/day	Martindale's 28th
Antisyndrome-X 30 mg/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
Antitinnitic 60-120 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.
Antitriglyceride 30 mg/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
Antiulcer 50 mg/3x/day/man	Martindale's 28th
Antiulcer 88 mg/rat/day/15 days	
Antiviral?	Martindale's 29th
Astringent	Martindale's 28th
Collagenic	
Copper-Antagonist	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
Deodorant	Martindale's 29th
Detoxicant (Alcohol)	
Ergogenic	
Hypotensive 30 mg/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
Immunomodulator	
Immunostimulant	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.
Immunosuppressant 300 mg/day/6 wks/orl/man	Martindale's 29th
Insulinogenic 30 mg/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
Leptingenic 30-60 mg/man/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
Mucogenic	Li, K.M. Effect of zinc sulphate on acetic acid-induced gastric ulceration in rats. J. Pharm. Pharmacol. 42: 657-659, 1990.

NF-kB-Inhibitor

Pesticide

Spermigenic 60 mg/day

Werbach, M. 1993. *Healing with Food*. Harper Collins, New York, 443 pp.

Testosteronigenic 60 mg/day

Werbach, M. 1993. *Healing with Food*. Harper Collins, New York, 443 pp.

Trichomonicide

Martindale's 29th

Vulnerary

Martindale's 28th