

# List of All Chemicals

P

Abrus precatorius (Fabaceae)

## Common name(s)

Licorice Vine; Jequurity; Love Bean; Minnie-Minnies; Prayer Beads; Indian Licorice; Lucky Bean; Weathervine; Crab's Eye; Rosary Pea; Precatory Bean; Red Beadvine; Weatherplant; Jequirity Bean; Coral Beadplant

## How used

Medicinal

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

Chemical	Part	Low PPM	High PPM	StdDev	*Reference
	All				
(+)-ABRINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
5-BETA-CHOLANIC-ACID	Seed	--	--		Wealth of India.
ABRALINE	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
ABRANIN	Seed	--	--		Wealth of India.
ABRASINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ABRICIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ABRIN	Seed	--	1500.0		*
<div>Activities (9)</div> <div>Analgesic</div> <div>Antileukemic ipr mus</div> <div>Antitumor</div> <div>Cytotoxic</div> <div>Emetic</div> <div>Lectin</div> <div>Mucoirritant</div> <div>Pesticide</div> <div>Ribosome-Inactivator IC50=0.7-3 ppb</div> <div>Martindale's 29th</div>					
ABRIN-A	Seed	--	--		Wealth of India.
ABRIN-C	Seed	--	--		Wealth of India.
ABRISIN	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ABRUQUINONE-A	Root	--	--		*
ABRUQUINONE-B	Root	--	--		*
ABRUQUINONE-C	Root	--	--		*
ABRUSGENIC-ACID	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ABRUSGENIC-ACID-METHYL-ESTER	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ABRUSLACTONE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ABRUSOGENIN	Leaf	--	--		*
ABRUSOSIDE-A	Leaf	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<div>Activities (1)</div> <div>Sweetener 30 x sucrose</div>					
ABRUSOSIDE-B	Leaf	--	--		*

<b>Activities (1)</b>					
Sweetener 100 x sucrose					
ABRUSOSIDE-C	Leaf	--	--	*	
<b>Activities (1)</b>					
Sweetener 50 X sucrose					
ABRUSOSIDE-D	Leaf	--	--	*	
<b>Activities (1)</b>					
Sweetener 75 x sucrose					
ABRUSSIC-ACID	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
ANTHOCYANINS	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<b>Activities (30)</b>					
Antiapoptotic					
Antiarthritic 120 mg/man orl					
Anticancer 120 mg/man orl					
Anticarcinogenic					
Anticollegenase					
Antidiabetic					
Antielastase					
Antihyperglycemic					
Antihyperinsulinemic					
Antihyperleptinemic					
Antiinflammatory					
Antimutagenic					
Antimyopic 600 mg/man orl					
Antinyctalopic 600 mg/man orl					
Antiobesity					
Antioxidant					
Antiproliferant					
Antitumor 120 mg/man orl					
Antivaricose					
Antiviral					
COX-1-Inhibitor IC45=125 ug/ml					
COX-2-Inhibitor IC47=125 ug/ml					
Chemopreventive					
Goitrogenic					
Hemostat					
NO-Scavenger					
Pesticide					
Vasoactive					
Vasodilator					
Vasoprotective					
ARACHIDIC-ACID	Seed	--	1350.0	-0.52	Wealth of India.
ASH	Leaf	17000.0	81000.0	-0.67	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
BEHENIC-ACID	Seed	--	1150.0	-0.57	Wealth of India.
<b>Activities (1)</b>					
Cosmetic Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
BETA-SITOSTEROL	Seed	--	--		Wealth of India.

Activities (47)					
Androgenic					
Angiogenic					
Anorexic					Martindale's 28th
Antiaidenomic					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					
Antiprostataidenomic					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					
CALCIUM	Leaf	1266.0	2660.0	-1.08	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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				
Antiobesity				
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				

CAMPESTEROL	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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	137000.0	652000.0	0.32	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
CHOLINE	Seed	--	--		=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

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.

CYCLOARTENOL	Seed	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
<b>Activities (7)</b>					
Antibacterial					
Antiinflammatory					
Antirheumatic 2-5 mg/man					
Antistaphylococcic					
Hypocholesterolemic					
Pesticide					
Ubiquiot					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DELPHINIDIN	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.	
<b>Activities (9)</b>					
Allelochemic IC81=1 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.
Allergenic					
Antioxidant ID50=0.7-2.4 uM					
Cancer-Preventive					Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Metal-Chelator (Copper)					
NO-Inhibitor IC78=250 uM					
Pesticide					
Pigment					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Prooxidant					
DELPHINIDIN-3,5-DIGLUCOSIDE	Seed	--	--	Wealth of India.	
FAT	Seed	25000.0	28000.0	-1.25	*
FIBER	Leaf	37000.0	176000.0	0.18	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<b>Activities (15)</b>					
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					
GALLIC-ACID	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
<b>Activities (62)</b>					
ACE-Inhibitor IC50=7.7 mM/l					
Analgesic					
AntiHIV					
AntiMRSA					
Antiadenovirus					Economic & Medicinal Plant Research, 5: 194.
Antiallergenic					Dorsch, W., Wagner, H. New Antiasthmatic Drugs from Traditional Medicine? Int Arch Allergy Appl Immunol 94: 262-265, 1991.
Antianaphylactic					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiangiogenic					
Antiasthmatic					Watt, J.M., and Breyer-Brandwijk, M.G. The Medicinal and Poisonous Plants of Southern and Eastern Africa. 1962.
Antibacterial MIC=1,000 ug/ml					
Antibronchitic					Dorsch, W., Wagner, H. New Antiasthmatic Drugs from Traditional Medicine? Int Arch Allergy Appl Immunol 94: 262-265, 1991.

Anticancer	
Anticarcinomic ED50=3	
Antiescherichic	
Antifibrinolytic	Economic & Medicinal Plant Research, 1: 53.
Antiflu	Economic & Medicinal Plant Research, 5: 194.
Antihepatotoxic	Okuda, T., Yoshida, T., and Hatano, T. Antioxidant Effects of Tannins and Related Polyphenols. Phenolic Compounds in Food and Their Effects on Health, Ch.7 p.93.
Antiherpetic EC50=>10 ug/ml	
Antiinflammatory	Kroes, B.H., et al. 1991. Anti-Inflammatory Activity of Gallic Acid. Planta Medica, 58(6): 499.
Antileishmanic EC50=4.4 ug/ml	
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.
Antinitrosaminic	
Antioxidant IC44=33 ppm	
Antioxidant 7 x quercetin	
Antioxidant 2/3 BHA	
Antiperiodontitic 10 ug/ml	
Antiperoxidant IC50=69 uM	
Antipolio	Economic & Medicinal Plant Research, 5: 194.
Antiproteolytic 10 ug/ml	
Antiradicular 7 x quercetin	
Antiradicular IC50=4.9 uM	
Antiseptic	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.
Antistaphylococcic MIC=1,000 ug/ml	
Antitumor	
Antitumor-Promoter	
Antiviral	
Apoptotic	
Astringent	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.
Bacteristat	Lamikanra, A., Ogundaini, A.O., and Ogungbamila*, F.O. Antibacterial Constituents of Alchornea cordifolia Leaves. Phytotherapy Research 4(5): 198.
Bronchodilator	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.
Candidicide	
Carcinogenic	
Choleretic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cyclooxygenase- Inhibitor	
Cytotoxic 500 uM	
Floral-Inhibitor	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Gram(+)icide MIC=1,000 ug/ml	
Gram(-)icide MIC=1,000 ug/ml	
Hemostat	
Hepatoprotective	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Immunomodulator	
Immunostimulant	McKenna, D. J., Hughes, K., and Jones, K. 2000. Green Tea Monograph. Alternative Therapies, 6(3): 61-82.
Immunosuppressant	
Insulin-Sparing	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Myorelaxant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
NO-Inhibitor IC- 26=250 uM	
Nephrotoxic	Martindale's 29th
Pesticide	
Styptic	
Topoisomerase-I- Inhibitor	Hamada, S. I., Kataoka, T., Woo, J. T., Yamada, A., Yoshida, T., Nishimura, T., Otake, N., Nagai, K. 1997. Immunosuppressive Effects by Gallic Acid and Chebulagic Acid on CTL-Mediated Cytotoxicity. Biol Pharm Bull, 20: 1017-1019.
Xanthine-Oxidase- Inhibitor IC50=24 uM	Hatano, T., Yasuhara, T., Yoshihara, R., Agata, I., Noro, T., and Okuda, T. 1989. Effects of Interaction of Tannins with Co-existing Substances.VII. Inhibitory Effects of Tannins Related Polyphenols on Xanthine Oxidase. Chem. Pharm. Bull. 38(5): 1224-1229

**Activities (57)**

Adrenocorticotropic

Amphiestrogenic

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

Analgesic

AntiAddisonian

AntiHIV 0.6 mM

Antiallergic

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.

Antianaphylactic

Economic &amp; Medicinal Plant Research, 6: 189.

Antiarthritic

Antiasthmatic

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.

Antibacterial

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

Anticariogenic

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.

Anticataract

Anticirrhotic

Antidiphtheric

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

Antidote

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

Antiedemic

Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.

Antiestrogenic

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

Antigingivitic

Antihepatotic

Antihepatotoxic 1,000 ug/ml

Antiherpetic

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

Antiinflammatory

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.

Antimutagenic

Economic &amp; Medicinal Plant Research, 6: 235.

Antioxidant

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.

Antiplateque

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

Antiprostaglandin

Antiradicular

Antirheumatic

Antiseborrheic

Antiseptic

Antistomatitic

Antitetanic

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

Antitussive

Antiulcer

Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

Antivaccinic

Antiviral 8 mM

Economic &amp; Medicinal Plant Research, 6: 189.

Cancer-Preventive

Capillariprotective

Economic &amp; Medicinal Plant Research, 6: 189.

Detoxicant

Ergogenic 40-80  
mg/man/day/shortterm

Estrogenic

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

Expectorant

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

FLavor FEMA 5-60

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

Hepatoprotective

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 207.

Hypertensive

Immunostimulant

Interferonogenic

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

MAO-Inhibitor IC50=160

MAO-Inhibitor IC50=160 uM

Mineral-Corticoid

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.

Mitogenic

Pancreaprotective

Pesticide

Prostaglandin-Synthesis-Inhibitor 100 mg/kg igs mus	Ren, J., Cheng, J. X., Wang, Z. G. 1988. Effects of Ammonium Glycyrrhizinate on the Synthesis of Prostaglandins E2 and F2-alpha. K'o Hsueh T'ung Pao, (3): 227-229.
Pseudoaldosteronistic	
Reverse-Transcriptase-Inhibitor	
Sweetener 50 X sucrose	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.

GLCYRRHIZIN	Root	--	12500.0	-0.86	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<b>Activities (57)</b>					
Adrenocorticotropic					
Amphiestrogenic		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Analgesic					
AntiAddisonian					
AntiHIV 0.6 mM					
Antiallergic		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.			
Antianaphylactic		Economic & Medicinal Plant Research, 6: 189.			
Antiarthritic					
Antiasthmatic		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.			
Antibacterial		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Anticariogenic		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.			
Anticataract					
Anticirrhotic					
Antidiphtheric		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antidote		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antiedemic		Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.			
Antiestrogenic		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antigingivitic					
Antihepatotic					
Antihepatotoxic 1,000 ug/ml					
Antiherpetic		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antiinflammatory		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.			
Antimutagenic		Economic & Medicinal Plant Research, 6: 235.			
Antioxidant		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.			
Anti plaque		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antiprostaglandin					
Antiradicular					
Antirheumatic					
Antiseborrheic					
Antiseptic					
Antistomatitic					
Antitetanin		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antitussive					
Antiulcer		Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.			
Antivaccinic					
Antiviral 8 mM		Economic & Medicinal Plant Research, 6: 189.			
Cancer-Preventive					
Capillariprotective		Economic & Medicinal Plant Research, 6: 189.			
Detoxicant					
Ergogenic 40-80 mg/man/day/shortterm					
Estrogenic		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Expectorant		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
FLavor FEMA 5-60		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry			
Hepatoprotective		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 207.			
Hypertensive					
Immunostimulant					
Interferonogenic		Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			



MAO-Inhibitor IC50=160					
MAO-Inhibitor IC50=160 uM					
Mineral-Corticoid					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.
Mitogenic					
Pancreaprotective					
Pesticide					
Prostaglandin-Synthesis-Inhibitor 100 mg/kg igs mus					Ren, J., Cheng, J. X., Wang, Z. G. 1988. Effects of Ammonium Glycyrrhizinate on the Synthesis of Prostaglandins E2 and F2-alpha. K'o Hsueh T'ung Pao, (3): 227-229.
Pseudoaldosteronistic					
Reverse-Transcriptase-Inhibitor					
Sweetener 50 X sucrose					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.

HYPAPHORINE	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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Activities (4)					
Antifeedant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Convulsant					
Pesticide					
Tetanic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				

KILOCALORIES	Leaf	620.0	2950.0	-0.11	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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LIGNOCERIC-ACID	Seed	--	650.0	-0.54	Wealth of India.
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Activities (1)					
Antihepatotoxic					

LINOLEIC-ACID	Seed	--	3325.0	-0.89	Wealth of India.
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Activities (27)					
5-Alpha-Reductase-Inhibitor					
AntiMS	Economic & Medicinal Plant Research, 6: 189.				
Antiacne					
Antiallopecic					
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).				
Antiprostatitic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Carcinogenic	Science News, 146: 421.				
Comedolytic					
Hepatoprotective					
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)				
Immunomodulator	Economic & Medicinal Plant Research, 6: 189.				
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Metastatic	Science News, 146: 421.				
Nematicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.				
Propecic					

LINOLENIC-ACID	Seed	--	4875.0	-0.49	Wealth of India.
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N,N-DIMETHYL-TRYPTOPHAN	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
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N,N-DIMETHYL-TRYPTOPHAN-METHO-CATION-METHYL-ESTER	Seed	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
OLEIC-ACID	Seed	--	12125.0 -0.88	Wealth of India.
<b>Activities (18)</b> 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. Cholaretic 5 ml/man Dermatitigenic FLavor FEMA 1-30 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry Hypocholesterolemic Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) Insectifuge Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990. Irritant Merck 11th Edition Percutaneostimulant Seki, T., Toeda, C., Kawaguchi, T., Juni, K., Sugibayashi, K., and Morimoto, Y. 1990. Enhanced Transdermal Delivery of Zidovudine in Rats and Human Skin. Chem. Pharm. Bull. 38(11): 3086-3089, 1990. Perfumery Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry Propecic				
P-COUMAROYL GALLOYL-GLUCODELPHINIDIN	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
PALMITIC-ACID	Seed	--	300.0 -0.69	Wealth of India.
<b>Activities (13)</b> 5-Alpha-Reductase-Inhibitor Antialopecic Antiandrogenic Antifibrinolytic Economic & Medicinal Plant Research, 1: 53. Antioxidant IC40=60 FLavor FEMA 1 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry Hemolytic Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. Hypercholesterolemic Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) Lubricant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. Nematicide Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp. Pesticide Propecic Soap Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
PECTIN	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities (24)					
Antitheromic 15 g/man/day		Cerde, J.J. Pectin in Health and Disease. HortScience, 25(12): 1485, 1990.			
Antibacterial					
Antidiabetic 10 g/man/day/orl					
Antidiarrheic		Merck 11th Edition			
Antienteritic					
Antigallstone					
Antigastritic					
Antilithic					
Antimetastatic					
Antimutagenic					
Antioesity		Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.			
Antitumor (Colon)					
Antitumor (Prostate)					
Antitussive					
Antiulcer					
Cancer-Preventive		Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Chemopreventive					
Demulcent					
Fungicide		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.			
Hemostat					
Hypocholesterolemic					
Hypoglycemic		Joseph, J., Nadeau, D. and Underwood, A. 2001. The Color Code. Hyperion, NY.			
Peristaltic					
Pesticide					
PELARGONIDIN-3,5-DIGLUCOSIDE	Seed	--	--		Wealth of India.
PELARGONIDIN-3-GLUCOSIDE	Seed	--	--		Wealth of India.
PENTOSANS	Seed	--	92100.0	0.28	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
PHOSPHORUS	Leaf	650.0	3095.0	-0.35	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Activities (4)					
Antiosteoporotic		Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.			
Anxiolytic					
Immunostimulant		Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.			
Osteogenic		Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.			
PICATORINE	Seed	--	--		=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
POLYGALACTURONIC-ACIDS	Seed	--	58600.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
PRECASINE	Seed	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
PRECATORINE	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
PROTEIN	Seed	--	194000.0	-0.35	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
PROTEIN	Leaf	56000.0	267000.0	0.55	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
STEARIC-ACID	Seed	--	1225.0	-0.54	Wealth of India.

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
Propepic				
Suppository				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
STIGMASTEROL	Seed	--	--	Wealth of India.
Activities (12)				
Antihepatotoxic				
Antiinflammatory				Lawrence Review of Natural Products, 1995
Antinociceptive				
Antiphidic 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				
TRIGONELLINE	Seed	--	--	=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
Activities (15)				
Anticancer (Cervix)				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.
Anticancer (Liver)				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.
Antihyperglycemic				Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Antimigraine				
Antiseptic				Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Antitumor (Cervix)				
Antitumor (Liver)				
Epidermal-Stimulant				
Hypocholesterolemic				
Hypoglycemic 500-3,000 mg/man/day				Martindale's 28th
Hypoglycemic 50 mg/kg orl rat				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Mutagenic				
Osmoregulator				
Pesticide				
Propepic				
TYROSINE	Seed	--	--	Zaidi, Z. H., Sdiqui, B. S., Naim, Z. 1971. Chemical Investigations of Seeds of Abrus precatorius. Pak. J. Sci. Ind. Res., 14: 350.

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).	
WATER	Leaf	--	790000.0 -0.09	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses