

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Aloe vera

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	-D-GLUCITOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	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.
0	1,8-DIHYDROXYANTHRACENE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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. Photochemistry, 45(7): 1519-1522.
0	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. Photochemistry, 45(7): 1519-1522.
0	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.
0	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.
0	2-METHYL-2-PHYTYL-6-CHROMANOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
0	7-HYDROXY-6'-O-P-COUMAROYL-ALOIN-A	Leaf				Rauwald, H. W. 1987. New Hydroxyaloin: The 'Periodate-Positive' Substance from Cape Aloes and Cinnamoyl Esters from Curacao Aloes. Pharm. Weekbl. (Sci. Ed.) 9(4): 215.
0	7-HYDROXY-6'-O-P-COUMAROYL-ALOIN-B	Leaf				Rauwald, H. W. 1987. New Hydroxyaloin: The 'Periodate-Positive' Substance from Cape Aloes and Cinnamoyl Esters from Curacao Aloes. Pharm. Weekbl. (Sci. Ed.) 9(4): 215.
0	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. Photochemistry, 45(7): 1519-1522.
0	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. Photochemistry, 45(7): 1519-1522.
0	7-HYDROXY-CHROMONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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. J. Chromatogr. 746(2): 225-231.
0	8-C-GLUCOSYL-7-O-METHYL-(S)-ALOESOL	Juice				Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioaka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
0	8-C-GLUCOSYL-7-O-METHYL-ALOEDIOL	Juice		71.6		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioaka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
0	8-C-GLUCOSYLCHROMONE-ALOERESIN-B	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	8-METHYL-TOCOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	8-[C-BETA-D-[2-O-(TRANS)-CINNAMOYL]-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. J. Nat. Prod., 59(5): 541-543.
0	9-PROPANOYL-METHOXY-METHYL-PHENANTHRENE	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.
14	ACEMANNAN	Juice				Lee, S. Y., Ryu, I. W., Shim, C. S. 1997. Purification and Characterization of Bioactivity Compound Acemannan from Aloe vera. Korean J. Pharmacog., 28(2): 65-71.
14	ACEMANNAN	Leaf				--
3	ALANINE	Leaf		15769.0	0.737970393738035	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALBUMIN	Leaf	1.0	5.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	ALDOPENTOSE	Leaf				Wealth of India.
0	ALEOSONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALIINASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	ALOCUTIN-A	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOE-BARBENDON	Root		9.0		Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
0	ALOE-CHRYSONE	Leaf				Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
24	ALOE-EMODIN	Juice				--
24	ALOE-EMODIN	Plant				--
24	ALOE-EMODIN	Leaf		45.4		--
0	ALOE-EMODIN-ANTHRANOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	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.
0	ALOEFERON	Juice				Madis, V. H., Omar, M. M., Madis, V. 1984. Aloeferon Isolation Manufacture, and Pllications. Patent-US-4,861,761: 8 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALOENIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOERESIN-C	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methylchromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
0	ALOERESIN-D	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methylchromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
0	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.
0	ALOERESIN-F	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methylchromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
2	ALOESIN	Plant				--
2	ALOESIN	Leaf				--
2	ALOESIN	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methylchromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
0	ALOESOL	Plant				--
0	ALOESONE	Plant				--
0	ALOETIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOETIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOETINIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
12	ALOIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
0	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.
0	ALOINOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOINOSIDE-A	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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
0	ALPHA-CELLULOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	ALUMINUM	Leaf		22.0	-0.756963512814621	Pedersen, M. 1987. Nutritional Herbiology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	AMYLASE	Leaf	0.0	20.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	ANTHRACENE	Plant				--
0	ANTHRANOL	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
0	ANTHRANOL	Plant				--
0	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.
0	ANTHRANOLS	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ANTHRAQUINONE-GLYCOSIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
6	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.
0	ANTHROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	APOISE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ARABINAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ARABINOSE	Plant				--
0	ARABINOSE	Leaf				--
0	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.
12	ARACHIDONIC-ACID	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dharni, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
12	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.
12	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.
14	ARGININE	Leaf		78216.0	4.040361114705058	--
112	ASCORBIC-ACID	Leaf		6260.0	0.13692813428133838	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ASPARAGINE	Leaf				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
3	ASPARTIC-ACID	Leaf				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
3	ASPARTIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
6	BARBALOIN	Leaf		42400.0		--
6	BARBALOIN	Plant				Suga, T., Hirata, T. 1983. The Efficacy of the Aloe Plants Chemical Constituents and Biological Activities. Cosmet. Toiletries 98(6): 105-108.
6	BARBALOIN	Juice				--
0	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.
0	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.
1	BENZYL-ACETONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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
0	BETA-BARBALOIN	Juice				Mukerji, B. 1953. The Indian Pharmaceutical Codex. Vol. I-Indigenous Drugs. Council of Scientific and Industrial Research, New Delhi, India.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	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.
53	BETA-CAROTENE	Leaf		3.0	-1.1248743086080972	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
47	BETA-SITOSTEROL	Plant				--
47	BETA-SITOSTEROL	Leaf				--
4	BRADYKININASE	Plant				--
28	CALCIUM	Leaf	190.0	4600.0	-0.9454619722825477	--
4	CALCIUM-OXALATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
4	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.
2	CAMPESTEROL	Plant				--
2	CAMPESTEROL	Leaf				--
0	CARBOHYDRATES	Leaf		896000.0	2.259738229658458	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	CASANTHRANOL-I	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CASANTHRANOL-II	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	CATALASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CHLORIDE	Leaf	10.0	110.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
1	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 Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CHOLESTEROL	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.
1	CHOLESTEROL	Leaf	40.0	120.0		--
20	CHOLINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	CHOLINE-SALICYLATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
24	CHROMIUM	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	CHRYSAMMINIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	CHRYSAZIN	Leaf				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-.
6	CHRYSOPHANIC-ACID	Plant				--
6	CHRYSOPHANIC-ACID	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
6	CHRYSOPHANIC-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.
10	CHRYSOPHANOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CHRYSOPHANOL-GLYCOSIDE	Plant				--
18	CINNAMIC-ACID	Plant				--
2	COBALT	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	CONIFERYL-ALCOHOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
57	COUMARIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CREATININE	Leaf	1.0	15.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	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.
0	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.
13	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.
2	CYSTINE	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
0	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.
0	D-GALACTAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	D-GALACTOURONIC-ACID	Plant				--
0	D-GALACTURONIC-ACID	Leaf				--
0	D-GALACTURONIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	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.
0	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.
0	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.
0	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.
0	DI-(2-ETHYLHEXYL)-PHTHALATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	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.
0	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.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
0	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.
0	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.
58	EMODIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
58	EMODIN	Leaf				Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
0	FAT	Leaf		8000.0	-0.965694190278755	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	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.
15	FIBER	Leaf		177000.0	0.1912434448814181	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	FOLACIN	Leaf	0.027	0.2	-1.0215226996703113	--
23	FOLIC-ACID	Leaf	27.0	200.0	0.9999999999999997	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
13	FORMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
8	FRUCTOSE	Stem Essent. Oil				Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	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.
8	FRUCTOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
1	GALACTOSE	Leaf				--
1	GALACTOSE	Plant				--
0	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.
0	GLOBULIN	Leaf	0.0	2.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	GLUCOGALACTOMANNAN	Leaf				--
3	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.
3	GLUCOMANNAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	GLUCOSAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
7	GLUCOSE	Leaf	280.0	1030.0	-0.6406770531666487	--
8	GLUTAMIC-ACID	Leaf		43256.0	0.28830994883469857	--
5	GLUTAMINE	Leaf		20607.0		--
8	GLYCEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
12	GLYCINE	Leaf		5030.0	-1.4304208502349065	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HECOGENIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	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.
0	HEXAURONIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
7	HISTIDINE	Leaf		2327.0	-1.5303131560149847	--
0	HOMONATALOIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	HYDROCINNAMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	HYDROXYMETHYLANTHRAQUINONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	HYDROXYPROLINE	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
6	IRON	Leaf	30.0	300.0	-0.1601568835092345	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	ISOALOERESIN-D	Leaf				--
0	ISOALOESOL-D	Juice				Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioaka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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
0	ISOBARBALOIN	Leaf				--
0	ISOCITRIC-ACID	Leaf				Kringstad, R., Nordal, A. 1975. Lactone-Forming Acids in Succulent Plants. Phytochemistry, 14: 1868-1870.
3	ISOLEUCINE	Leaf		8526.0	-0.9114311540762737	--
0	ISORABAICHRONE	Juice		1457.0		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.
0	KILOCALORIES	Leaf		2800.0	-0.35152942013081173	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	L-ASPARAGINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
7	LAURIC-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.
0	LAURIC-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.
2	LEUCINE	Leaf		6952.0	-1.4724738413689846	--
13	LIGNIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-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.
0	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.
0	LIPASE	Leaf	0.0	16.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
21	LUPEOL	Leaf				--
21	LUPEOL	Plant				--
4	LYSINE	Leaf		7748.0	-1.1656410239523205	--
0	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.
0	M-PROTocatechuic-ALDEHYDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
65	MAGNESIUM	Leaf		930.0	-1.233985540583036	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	MAGNESIUM-LACTATE	Plant				--
14	MANGANESE	Leaf		0.6	-0.45888840936498615	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	MANNAN	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
3	MANNOSE	Leaf				--
3	MANNOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
0	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.
0	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.
3	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.
3	MUCILAGE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	MUCOPOLYSACCHARIDES	Plant				Pakistan Encyclopedia Planta Medica. 1986.
6	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.
0	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.
0	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.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
0	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.
0	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.
0	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.
0	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.
0	NATALOIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	NEOALOESIN-A	Leaf		6.6		Park, M. K., Park, J. H., Shin, Y. G., Kim, W. Y., Lee, J. H., Kim, K. H. 1996. Nealoessin A: A New C-Glucofuranosyl Chromone from Aloe barbadensis. Planta Medica, 62(4): 363-365.
39	NIACIN	Leaf		64.0	-0.4074895973394803	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	NIACINAMIDE	Plant				--
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
1	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.
0	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.
0	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.
0	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.
0	OCTADECA-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.
18	OLEIC-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.
1	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.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OLEIC-ACID-METHYL-ESTER	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.
0	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.
0	OXIDASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
25	P-COUMARIC-ACID	Leaf				Doff, W. 1953. In Vitro Tuberculostatic Action of Aloe and its Most Important Components. Arzneim-Forsch 3: 627-630.
25	P-COUMARIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
25	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-.
0	P-METHOXY-HYDROCINNAMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	P-METHOXYBENZYLACETONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
13	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.
1	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.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	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.
0	PALMITOLEIC-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.
0	PECTIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	PENTADECANOIC-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.
7	PHENYLALANINE	Leaf		7103.0	-0.8189293423736816	--
0	PHOSPHATIDIC-ACID	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhmi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
2	PHOSPHATIDYL-CHOLINE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhmi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	PHOSPHATIDYL-ETHANOLAMINE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhmi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	PHOSPHATIDYL-INOSITOL	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhmi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	PHOSPHATIDYL-SERINE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhmi, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
4	PHOSPHORUS	Leaf	6.0	940.0	-0.7417351347095709	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	PHYTOSTEROLS	Plant				Pakistan Encyclopedia Planta Medica. 1986.
30	POLYPHENOLS	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	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.
0	POLYSACCHARIDE	Juice				Gowda, D. C., Nellisiddaiah, B., Anjaneyalu, Y. V. 1979. Structural Studies of Polysaccharides from Aloe vera. Carbohydr. Res. 72: 201-205.
0	POLYSACCHARIDE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	POLYURONIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
14	POTASSIUM	Leaf	100.0	850.0	-1.3023924982974464	--
0	PROLINE	Leaf		3339.0	-1.1450504019821863	--
0	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-.
0	PROTEIN	Leaf	10000.0	57000.0	-1.5447289828536024	--
0	PROTEINASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	PTEROYLGLUTAMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	PURINE	Leaf	1.0	56.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	QUINONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	RESIN	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	RESITANNOLS	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	RHAMNOSE	Leaf				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
0	RHAMNOSE	Plant				--
18	RHEIN	Juice				Vittori, N., Collins, M. 1996. Production of Rhein and Rhein Derivatives for Treatment of Mycobacterial Infections.
18	RHEIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
15	RIBOFLAVIN	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	SAPOGENIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	SAPONINS	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
60	SELENIUM	Leaf		2.3	-0.20582736095134732	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	SERINE	Leaf		23540.0	2.8994578607835177	--
4	SILICON	Leaf		2.2	-0.40664836341939714	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	SODIUM	Leaf	40.0	510.0	-0.5567053929446788	--
0	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.
8	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 Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	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.
0	STEROIDS	Plant				--
12	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.
0	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.
0	TANNINS	Plant				--
0	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.
31	THIAMIN	Leaf		0.8	-1.5639990589196717	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THREITOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
4	THREONINE	Leaf		14652.0	1.6302832433742858	--
4	TIN	Leaf		11.0	-0.5530067419183887	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	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.
0	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRIHYDROXYMETHYLANT HRAQUINONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	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. Plant Medica, 57(1): 38-40.
8	TYROSINE	Leaf		5073.0	-0.8148273240686774	--
0	UNDECYL-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.
0	UREA	Leaf		10.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	URONIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
3	VALINE	Leaf		12769.0	0.02133791872334207	--
0	WATER	Plant		995000.0	0.9592516998257824	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	XYLOSE	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
3	XYLOSE	Leaf				--
77	ZINC	Leaf	11.0	770.0	4.198735238139277	--