

List of All Chemicals

Ganoderma lucidum

Common name(s)

Reishi; Ling Zhi

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 <input type="button" value="All"/>	Low PPM	High PPM	StdDev	*Reference
1-EPI-5'-DEOXY-5'-METHYL-SULFINYLADENOSINE	Fruit	--	0.14		*
24-ETHYL-CHOLESTAN-3-BETA-OL	Fruit	--	--		*
24-METHYL-CHOLESTA-7-22-DIEN-3-BETA-OL	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
24-METHYL-CHOLESTA-7-22-DIEN-3-BETA-OL	Fruit	--	--		*
24-METHYL-LATHOSTEROL	Fruit	--	--		*
3-BETA-5-ALPHA-6-ALPHA-TRIOL-ERGOSTA-7-22-DIENE	Fruit	--	--		*
5'-DEOXY-5'-METHYL-SULFINYLADENOSINE	Fruit	--	0.19		*
5-ALPHA-8-ALPHA-EPIDIOXY-24-EPSILON-METHYL-CHOLESTA-6-22-DIEN-3-BETA-OL	Fruit	--	--		*
5-ALPHA-8-ALPHA-EPIDIOXY-ERGOSTA-6-9(11)-22-TRIEN-3-BETA-OL	Fruit	--	--		*
7-EPI-GANODERIC-ACID	Fruit	--	3.4		*
7-O-METHYL-GANODERIC-ACID-O	Mycelium	--	5.2		*
ADENOSINE	Fruit	--	1.5		*

Activities (28)

Analgesic	
Antiaggregant	
Antiarrhythmic	Merck 11th Edition
Antidiuretic	LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic- The Science and therapeutic application of <i>Allium sativum</i> L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Antididotoxic 500 mg/kg ipr mus	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.
Antihypertensive	LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic- The Science and therapeutic application of <i>Allium sativum</i> L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Antiinsomniac	
Antilipolytic	
Antispasmodic	
Antitachycardic 50-250 ug/kg/ivn	Martindale's 29th
Anxiolytic	
Arteriodilator	
Glucogonogenic	LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic- The Science and therapeutic application of <i>Allium sativum</i> L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Hypocholesterolemic	LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic- The Science and therapeutic application of <i>Allium sativum</i> L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Hypoglycemic	
Hypotensive	LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic- The Science and therapeutic application of <i>Allium sativum</i> L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Immunomodulator	
Insulinic	
Laxative	
Lipolytic	LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic- The Science and therapeutic application of <i>Allium sativum</i> L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Myorelaxant	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
PAF-Inhibitor IC50=90 nM	
PAF-Inhibitor 0.024 ug/ml	
Pyrogenic 0.09 mg/kg ivn hmn	Conradson, T. B. G., Dixon, C. M. S., Clarke, B., Barnes, P. J. 1987. Cardiovascular Effects of Infused Adenosine in Man: Potentiation by Dipyridamole. <i>Acta Physiol Scand</i> , 129(3): 387-391.
Respirastimulant	Martindale's 29th
Secretomotor	
Sedative	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Vasodilator	

AMYLASE	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
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Activities (1)

Sedative

BEHENIC-ACID	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
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Activities (1)Cosmetic Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.* Taylor & Frost, London. 791 pp.

BEHENIC-ACID	Fruit	--	--	*
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Activities (1)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	Fruit	--	--	*
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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. <i>Journal of Ethnopharmacology</i> , 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 <i>Vaccinium myrtillus</i> (Bilberry) Fruits and Cell Cultures. <i>Plant Sci.</i> , 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. <i>Journal of Ethnopharmacology</i> , 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. <i>Journal of Ethnopharmacology</i> , 28: 221-234, 1990.
Antigonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. <i>Journal of Ethnopharmacology</i> , 28: 221-234, 1990.
Antihyperlipoproteinaemic	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	
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. <i>Journal of Ethnopharmacology</i> , 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. <i>African Ethnobotany - Poisons and Drugs.</i> Chapman & Hall, New York. 941 pp.
Antitumor (Breast)	Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from <i>Vaccinium myrtillus</i> (Bilberry) Fruits and Cell Cultures. <i>Plant Sci.</i> , 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 <i>Artemisia annua</i> . <i>Plant Science</i> , 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 <i>Melodorum fruticosum</i> . <i>Phytochemistry</i> . 29(5): 1667-1670. 1990.
Cancer-Preventive	Stitt, P. A. <i>Why George Should Eat Broccoli.</i> 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. <i>African Ethnobotany - Poisons and Drugs.</i> Chapman & Hall, New York. 941 pp.
Gonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. <i>Journal of Ethnopharmacology</i> , 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. <i>Journal of Ethnopharmacology</i> , 27: 243-275, 1989.
Hypolipidemic 2-6 g/day	
Pesticide	
Spermicide	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. <i>Journal of Ethnopharmacology</i> , 28: 221-234, 1990.
Ubiquiot	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Ulcerogenic 500 mg/kg ipr rat	

BETA-SITOSTEROL

Plant -- --

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

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Antitumor (Lung)	
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Pesticide	
Spermicide	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. <i>Journal of Ethnopharmacology</i> , 28: 221-234, 1990.
Ubiquiot	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Ulcerogenic 500 mg/kg ipr rat	

BETAINE

Fruit

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Activities (14)

Abortifacient	
Antigastric	Martindale's 29th
Antihomocystinuric	
Antimyotrophic	
Bruchiphobe	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Cardioprotective	
Diuretic	Wealth of India.
Emmenagogue	Wealth of India.
Ethanolytic	
Expectorant	
Hepatoprotective	
Lipotropic	
Mucogenic	
Pesticide	

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

Activities (14)

Abortifacient	
Antigastric	Martindale's 29th
Antihomocystinuric	
Antimyotrophic	
Bruchiphobe	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Cardioprotective	
Diuretic	Wealth of India.
Emmenagogue	Wealth of India.
Ethanolytic	
Expectorant	
Hepatoprotective	
Lipotropic	
Mucogenic	
Pesticide	

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

CHOLINE Fruit -- -- *

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.

CHRYSOPHANIC-ACID Fruit -- -- *

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				

CHRYSOPHANIC-ACID-GLUCOSIDE	Fruit	--	--	*
CYCLOOCTASULFUR	Tissue Culture	--	--	*
ENDOPOLYGALACTURONASE	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
ERGOSTA-4-6-8(14)-22-TETRAEN-3-ONE	Fruit	--	--	*
ERGOSTA-4-7-22-TRIENE-3-6-DIONE	Mycelium	--	5.2	*
ERGOSTA-7-22-DIEN-3-BETA-OL	Fruit	--	--	*
ERGOSTA-7-22-DIEN-3-BETA-OL-LINOLEATE	Fruit	--	--	*
ERGOSTA-7-22-DIENE-2-BETA-3-ALPHA-9-ALPHA-TRIOL	Fruit	--	--	*
ERGOSTA-7-22-DIENE-3-BETA-5-ALPHA-6-BETA-TRIOL	Fruit	--	--	*
ERGOSTA-7-9-22-TRIENE-3-BETA-5-ALPHA-6-ALPHA-TRIOL	Fruit	--	--	*
ERGOSTEROL	Fruit	--	1168.4	*

Activities (5)				
Antiangiogenic				
Antiflu				
Antitumor				
Antiviral				
Pesticide				

ERGOSTEROL	Plant	3000.0	4000.0	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
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Activities (5)				
Antiangiogenic				
Antiflu				
Antitumor				
Antiviral				
Pesticide				

ERGOSTEROL-PALMITATE	Fruit	--	--	*
GANODERAL-A	Fruit	--	--	*
GANODERAN-A	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERAN-A	Fruit	--	--	*
GANODERAN-B	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERAN-B	Fruit	--	2.5	*
GANODERAN-C	Fruit	--	1.5	*
GANODERENIC-ACID-A	Fruit	--	145.0	*
GANODERENIC-ACID-B	Fruit	--	50.0	*
GANODERENIC-ACID-C	Fruit	--	25.0	*
GANODERENIC-ACID-D	Fruit	--	75.0	*

GANODERENIC-ACID-E	Fruit	--	0.4	*
GANODERIC-ACID	Fruit	--	--	*
GANODERIC-ACID-A	Gills	--	170.3	*
GANODERIC-ACID-A	Pileus	--	--	*
GANODERIC-ACID-A	Fruit	389.5	2630.0	*
GANODERIC-ACID-A-METHYL-ESTER	Fruit	--	578.9	*
GANODERIC-ACID-B	Gills	--	48.8	*
GANODERIC-ACID-B	Pileus	--	--	*
GANODERIC-ACID-B	Fruit	5.2	132.7	*
GANODERIC-ACID-B-METHYL-ESTER	Fruit	--	86.5	*
GANODERIC-ACID-C	Fruit	11.0	750.0	*
GANODERIC-ACID-C-1	Gills	--	65.2	*
GANODERIC-ACID-C-2	Gills	--	61.7	*
GANODERIC-ACID-C-2	Fruit	--	--	*
GANODERIC-ACID-D	Fruit	15.3	265.0	*
GANODERIC-ACID-D	Gills	--	12.1	*
GANODERIC-ACID-E	Gills	--	18.8	*
GANODERIC-ACID-E	Fruit	27.5	161.6	*
GANODERIC-ACID-F	Fruit	60.1	165.0	*
GANODERIC-ACID-F	Gills	--	21.9	*
GANODERIC-ACID-G	Fruit	--	80.0	*
GANODERIC-ACID-G	Gills	--	14.1	*
GANODERIC-ACID-H	Pileus	--	--	*
GANODERIC-ACID-H	Fruit	--	1.9	*
GANODERIC-ACID-H	Gills	46.9	47.7	*
GANODERIC-ACID-I	Gills	--	3.1	*
GANODERIC-ACID-J	Plant	--	--	*
GANODERIC-ACID-K	Gills	--	0.9	*
GANODERIC-ACID-K	Fruit	--	0.3	*
GANODERIC-ACID-M	Fruit	--	0.3	*
GANODERIC-ACID-M-A	Mycelium	--	--	*
GANODERIC-ACID-M-B	Mycelium	--	--	*
GANODERIC-ACID-M-C	Mycelium	--	--	*
GANODERIC-ACID-M-D	Mycelium	--	--	*
GANODERIC-ACID-M-E	Mycelium	--	--	*
GANODERIC-ACID-M-F	Mycelium	--	--	*
GANODERIC-ACID-MG	Mycelium	--	29.3	*
GANODERIC-ACID-MH	Mycelium	--	6.3	*
GANODERIC-ACID-MI	Mycelium	--	3.0	*
GANODERIC-ACID-MJ	Mycelium	--	0.7	*
GANODERIC-ACID-MK	Mycelium	--	81.3	*
GANODERIC-ACID-N	Fruit	--	3.8	*
GANODERIC-ACID-O	Fruit	--	0.6	*

GANODERIC-ACID-O	Mycelium	--	71.7	*
GANODERIC-ACID-P	Mycelium	--	1.7	*
GANODERIC-ACID-Q	Mycelium	--	4.0	*
GANODERIC-ACID-R	Pileus	--	--	*
GANODERIC-ACID-R	Mycelium	4.2	92.1	*
GANODERIC-ACID-S	Pileus	--	--	*
GANODERIC-ACID-S	Mycelium	6.3	161.6	*
GANODERIC-ACID-S-1	Fruit	--	--	*
GANODERIC-ACID-T	Mycelium	33.0	526.3	*
GANODERIC-ACID-T	Pileus	--	--	*
GANODERIC-ACID-U	Mycelium	--	--	*
GANODERIC-ACID-V	Mycelium	--	--	*
GANODERIC-ACID-V-1	Fruit	--	--	*
GANODERIC-ACID-W	Mycelium	--	--	*
GANODERIC-ACID-X	Mycelium	--	--	*
GANODERIC-ACID-Y	Mycelium	--	--	*
GANODERIC-ACID-Z	Mycelium	--	--	*
GANODERIC-ACIDS-A-Z	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-A	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-A	Fruit	--	11.2	*
GANODERIOL-B	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-B	Fruit	--	1.9	*
GANODERIOL-C	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-C	Fruit	--	--	*
GANODERIOL-D	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-D	Fruit	--	--	*
GANODERIOL-E	Fruit	--	--	*
GANODERIOL-E	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-F	Fruit	--	--	*
GANODERIOL-F	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-G	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-G	Fruit	--	--	*
GANODERIOL-H	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-H	Fruit	--	--	*
GANODERIOL-I	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERIOL-I	Fruit	--	--	*
GANODERMA-ACIDIC-POLYSACCHARIDE-GL-A	Fruit	--	130.0	*

GANODERMA-LUCIDUM-ANTIBIOTIC	Fruit	--	--	*
GANODERMA-LUCIDUM-ANTIBIOTIC	Mycelium	--	--	*
GANODERMA-LUCIDUM-ANTIBIOTIC-GL-1	Fruit	--	500.0	*
GANODERMA-LUCIDUM-ANTIBIOTIC-GL-2	Fruit	--	700.0	*
GANODERMA-LUCIDUM-ANTIBIOTIC-GL-3	Fruit	--	1900.0	*
GANODERMA-LUCIDUM-COMPOUND-C-6	Gills	--	1.6	*
GANODERMA-LUCIDUM-HETEROGLYCAN	Fruit	--	551.0	*
GANODERMA-LUCIDUM-POLYSACCHARIDE-FRACTION-A-H	Fruit	--	--	*
GANODERMA-LUCIDUM-TRITERPENE-17-A	Gills	--	1.6	*
GANODERMA-LUCIDUM-TRITERPENE-18-A	Gills	--	1.2	*
GANODERMA-LUCIDUM-TRITERPENE-5-A	Gills	--	3.9	*
GANODERMA-LUCIDUM-TRITERPENE-6-A	Gills	--	0.8	*
GANODERMA-POLYSACCHARIDE-BN-3-A-C	Fruit	--	--	*
GANODERMA-PROTEIN-LING-ZHI-8	Mycelium	--	--	*
GANODERMADIOL	Fruit	--	4.1	*
GANODERMANODIOL	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERMANONDIOL	Fruit	--	3.1	*
GANODERMANONOL	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERMANONTRIOL	Fruit	--	5.6	*
GANODERMANOTRIOL	Fruit	--	4.0	*
GANODERMANOTRIOL	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERMATRIOL	Fruit	0.9	1.2	*
GANODERMATRIOL	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODERMATRIOL-TRIACETATE	Fruit	--	--	*
GANODERMENONOL	Fruit	--	4.0	*
GANODERMIC-ACID-R	Mycelium	--	--	*
GANODERMIC-ACID-S	Mycelium	--	--	*
GANODEROL-A	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODEROL-B	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANODOSTERONE	Mycelium	--	5.2	*
GANOLUCIDENIC-ACID-A	Gills	--	3.9	*
GANOLUCIDENIC-ACID-B	Gills	--	5.9	*
GANOLUCIDIC-ACID-A	Gills	--	3.9	*
GANOLUCIDIC-ACID-A	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANOLUCIDIC-ACID-B	Gills	--	5.9	*
GANOLUCIDIC-ACID-B	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
GANOLUCIDIC-ACID-C	Plant	--	--	*
GANOLUCIDIC-ACID-E	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

GANOLUCIDIC-ACID-E	Fruit	--	--	*
GANOSPOREIC-ACID	Fruit	--	15.0	*
GANOSPORELACTONE-A	Mycelium	--	--	*
GANOSPORELACTONE-B	Mycelium	--	--	*
GERMANIUM	Fruit	--	4.9	*
GUANOSINE-5'-MONOPHOSPHATE	Fruit	--	--	*
GUANOSINE-5'-MONOPHOSPHATE	Mycelium	--	--	*
HENTRIACONTANE	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LACCASE	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LANOSTA-7-9(11)-24-TRIEN-15-ALPHA-22-BETA-DIACETOXY-3-BETA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-15-ALPHA-ACETOXY-3-ALPHA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-15-ALPHA-ACETOXY-3-BETA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-15-ALPHA-22-BETA-TRIACETOXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-15-ALPHA-DIACETOXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-15-ALPHA-DIHYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-22-BETA-DIACETOXY-15-ALPHA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-ACETOXY-15-ALPHA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-ACETOXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-ALPHA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-BETA-15-ALPHA-22-BETA-TRIACETOXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-BETA-15-ALPHA-DIACETOXY-26-OIC-ACID	Mycelium	--	--	*
LANOSTA-7-9(11)-24-TRIEN-3-BETA-ACETOXY-15-ALPHA-HYDROXY-26-OIC-ACID	Mycelium	--	--	*
LIGNOCERIC-ACID	Fruit	--	--	*
Activities (1)				
Antihepatotoxic				
LING-ZHI-8	Fruit	--	--	*
LING-ZHI-8	Mycelium	--	--	*
LINGZHI-POLYSACCHARIDE-D-6	Plant	--	--	*
LINOLEIC-ACID	Tissue Culture	--	--	*

Activities (27)
5-Alpha-Reductase-Inhibitor

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

LUCIDENIC-ACID-A	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LUCIDENIC-ACID-A	Gills	--	3.5	*
LUCIDENIC-ACID-A	Fruit	193.3	194.3	*
LUCIDENIC-ACID-B	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LUCIDENIC-ACID-B	Fruit	--	21.7	*
LUCIDENIC-ACID-C	Gills	--	2.7	*
LUCIDENIC-ACID-C	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LUCIDENIC-ACID-C	Fruit	--	53.0	*
LUCIDENIC-ACID-D	Gills	--	--	*
LUCIDENIC-ACID-D	Plant	--	--	*
LUCIDENIC-ACID-D	Fruit	--	30.0	*
LUCIDENIC-ACID-D-2	Gills	--	12.5	*
LUCIDENIC-ACID-E	Gills	--	--	*
LUCIDENIC-ACID-E	Plant	--	--	*
LUCIDENIC-ACID-E-2	Gills	--	12.5	*
LUCIDENIC-ACID-E-2	Fruit	--	8.6	*
LUCIDENIC-ACID-F	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LUCIDENIC-ACID-F	Gills	--	1.2	*
LUCIDENIC-ACID-G	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
LUCIDENIC-ACID-H	Fruit	--	5.7	*

LUCIDENIC-ACID-I	Fruit	--	2.1	*
LUCIDENIC-ACID-J	Fruit	--	0.8	*
LUCIDENIC-ACID-K	Fruit	--	0.3	*
LUCIDENIC-ACID-L	Fruit	--	0.4	*
LUCIDENIC-ACID-M	Fruit	--	0.2	*
LUCIDONE-A	Plant	--	--	*
LUCIDONE-B	Plant	--	--	*
MANNITOL	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Activities (18)

Allergenic	Martindale's 29th
Analgesic	
Anthelmintic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
AntiReye's	Martindale's 29th
Antiglaucomic	Martindale's 28th
Antiinflammatory	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Antimutagenic	
Antinephritic	Martindale's 29th
Antioxidant	Jim Duke's personal files.
Antiradicular	
Antispasmodic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Diuretic	Merck 11th Edition
Emetic	Martindale's 28th
Flatugenic	Martindale's 29th
Laxative	
Nephrotoxic	Martindale's 29th
Pesticide	
Sweetener	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

MANNITOL	Fruit	--	173.7	-1.0	*
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Activities (18)

Allergenic	Martindale's 29th
Analgesic	
Anthelmintic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
AntiReye's	Martindale's 29th
Antiglaucomic	Martindale's 28th
Antiinflammatory	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Antimutagenic	
Antinephritic	Martindale's 29th
Antioxidant	Jim Duke's personal files.
Antiradicular	
Antispasmodic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Diuretic	Merck 11th Edition
Emetic	Martindale's 28th
Flatugenic	Martindale's 29th
Laxative	
Nephrotoxic	Martindale's 29th
Pesticide	
Sweetener	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

N-HENTRIACONTANE	Fruit	--	--	*
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Activities (3)

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

N-TETRACOSANE	Fruit	--	--	*
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NONADECANOIC-ACID	Fruit	--	--	*
NONADECANOIC-ACID	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
OLEIC-ACID	Tissue Culture	--	--	*

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	

PALMITIC-ACID	Fruit	--	--	*
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Activities (13)

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.

PALMITIC-ACID	Tissue Culture	--	--	*
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Activities (13)

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.

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.

POLYSACCHARIDE

Plant -- --

*

PORTENSTEROL

Fruit -- --

*

PROTEOGLYCAN-G009

Tissue
Culture -- --

*

STEARIC-ACID

Tissue
Culture -- --

*

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.

STEARIC-ACID

Fruit -- --

*

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.

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

STEARIC-ACID

Plant -- --

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

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.
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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.

TETRACOSANE	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
TETRACOSANOIC-ACID	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
TREHALOSE	Plant	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
XANTHOSINE-5'-MONOPHOSPHATE	Fruit	--	--	*
XANTHOSINE-5'-MONOPHOSPHATE	Mycelium	--	--	*