

List of All Chemicals

P Mandragora officinarum (Solanaceae)

Common name(s)

Mandrake

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
3,6-DITIGLOYLOXYTROPANE	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3-ALPHA-TIGLOYLOXYTROPANE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
ALKALOIDS	Root	3000.0	4000.0	-0.73	*
APOATROPINE	Root	--	--		*
Activities (2)					
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Respiradepressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
ATROPINE	Root	10.0	20.0	-1.0	*

Activities (51)

Allergenic	
Analgesic	
Anesthetic	Martindale's 29th
Anhydrotic	
Antianoxic	Martindale's 29th
Antiarrhythmic 400-1,000 ug	
Antiasthmatic	Martindale's 28th
Antibradycardic 300-600 ug/ims/man/day	Martindale's 28th
Anticholinergic 0.55 mg/kg orl 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.
Anticholinergic 10 mg/kg orl 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.
Antidote (Anticholinesterase) 2 mg/man/ims	Martindale's 29th
Antidote (Black Widow)	Martindale's 29th
Antidote (Lobelia) 2 mg scu	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antidote (Muscarine)	
Antidote (Mushroom)	Martindale's 30th
Antidote (Organophosphorus) 2-10 mg/ims/man	Martindale's 29th
Antidote (Poison Gas)	
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiemphysemic	Martindale's 29th
Antienuretic	Martindale's 28th
Antiherpetic	
Antiiritic	Martindale's 30th
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 29th
Antiperistaltic	
Antiperspirant	Martindale's 29th
Antipertussic	Martindale's 29th
Antipolio	
Antisialagogue	Martindale's 28th
Antispasmodic	Merck 11th Edition
Antiulcer 500 ug/3 x/day/man	Martindale's 28th
Antiuveitic	Martindale's 30th
Antivertigo	
Antiviral	
Bronchodilator	
CNS-Depressant	Martindale's 28th
CNS-Stimulant	
Choleretic	
Hyperpyrexia	Merck 11th Edition
Insecticide	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Mydriatic	Merck 11th Edition
Myorelaxant	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.
Paralytic	
Pesticide	
Psychotomimetic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.
Tachycardic 2 mg/orl/man	Martindale's 28th
Transdermal	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Tumorigenic	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Vasodilator	Merck 11th Edition

BELLADONNINE Root -- -- *

Activities (1)

Anesthetic-potentiator	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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CHRYSATROPIC-ACID	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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CUSCOHYGRINE	Root	--	--		*
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FAT	Seed	--	226000.0	-0.21	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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HYOSCYAMINE	Root	2500.0	3500.0	-0.02	*
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Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.				
Anticholinergic 150-300 ug 4 x/day/man	Martindale's 29th				
Antidote (Anticholinesterase)	Martindale's 29th				
Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antiherpetic					
Antimeasles					
Antimuscarinic	Martindale's 29th				
Antineuralgic					
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antipolio					
Antisialogogue	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antispasmodic					
Antiulcer	Martindale's 29th				
Antivertigo					
Antivinous					
Antiviral					
Bronchodilator					
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Cardiotonic					
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Pesticide					
Photophobigenic					
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.				
Sedative					
Toxic					

MANDRAGORINE	Root	--	--		*
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Activities (4)

Anticholinergic					
Bronchodilator					
CNS-Stimulant					
Mydriatic					

NORHYOSCYAMINE	Plant	--	--		*
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PROTEIN	Seed	--	221000.0	-0.11	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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SCOPINE	Root	--	--		*
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SCOPOLAMINE	Root	30.0	50.0	-0.75	*
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Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 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.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialagogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorrheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitigenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu 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.
Tachycardic	Martindale's 29th

SCOPOLETIN	Plant	--	--	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 (44)

Aldose-Reductase-Inhibitor IC50=6.2 ug/ml cow	Okada,Y,et al.1995.Search for Naturally Occurring Substances to Prevent the Complications of Diabetes.II.Inhibitory Effect of Coumarin and Flavonoid Derivatives on Bovine Lens Aldose Reductase and Rabbit Platelet Aggregation.Chem Pharm Bull43(8):1385-1387
Allelochemic IC89=2 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
Analgesic	
Anesthetic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Antiadrenergic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Antiaflatoxin IC50=65 uM	
Antiaflatoxin 11.4 ppm	
Antiarrhythmic	
Antiasthmatic	
Antibacterial	Jeffery B., Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antibronchoconstrictor	
Anticholinergic	
Antiedemic	
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Antihepatotoxic	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Antiinflammatory ED 1-10 ug/ear	
Antileukotrienogenic	
Antimutagenic	Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livinston, Edinburgh.
Antioxidant	
Antiproliferant	
Antiprostaglandin	
Antiseptic	
Antispasmodic	
Antitumor 2.9 ug/ml	
Apoptotic	
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Cholagogue	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Choleretic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Cytotoxic	
Fungicide 2 mM	
Hepatoprotective	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Herbicide	Jeffery B., Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Hypoglycemic	Economic & Medicinal Plant Research, 6: 165
Hypotensive	
MAO-Inhibitor	
Musculotropic	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Myorelaxant	
Pesticide	
Phytoalexin	
Phytohormonal	Jeffery B., Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Uterosedative	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.

SCOPOLINE Plant -- -- List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

TROPIC-ACID Plant -- -- List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.