

# List of All Chemicals

## **P** Peganum harmala (Zygophyllaceae)

### Common name(s)

Syrian Rue; Harmel

### 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	All <input type="button" value="v"/>	Low PPM	High PPM	StdDev	*Reference
9,14-DIHYDROXYOCTADECANOIC-ACID	Plant		--	--		*
ASH	Plant		34000.0	105250.0	-0.28	*
CALCIUM	Plant		--	5600.0	-0.85	*
<b>Activities (28)</b>						
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						
Antititic						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						
COPPER	Plant		--	9.0	-0.56	*

Activities (12)					
Antianemic					
Antiarthritic					
Antidiabetic 2-4 mg/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antifatigue					
Antiinflammatory	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antinociceptive	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antiosteoporotic					
Cardioprotective					
Contraceptive	Martindale's 28th				
Hypocholesterolemic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				
Immunomodulator					
Schizophrenigenic	Davies, S., and Stewart, A. 1990. Nutritional Medicine. Avon Books, New York. 509pp.				

DEOXYPEGANINE	Plant	--	--		*
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Activities (1)					
Cholinergic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				

DEOXYVASICINONE	Seed	--	--		*
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Activities (1)					
Cholinergic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				

DIPEGENE	Seed	--	--		*
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FAT	Seed	135000.0	175000.0	-0.48	*
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FAT	Plant	15000.0	46450.0	-0.08	*
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FIBER	Plant	57000.0	176475.0	-0.34	*
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Activities (15)					
Angiotensin-Receptor-Blocker					
Antidiabetic					
Antihypertensive					
Antiobesity					
Antitumor	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Antiulcer	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Beta-Blocker					
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Cardioprotective					
Diuretic					
Hypocholesterolemic					
Hypotensive 10 g/man/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Hypouricemic					
Laxative					
Vasodilator					

HARMALINE	Seed	--	--		*
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**Activities (24)**

Anthelmintic	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
Antibacterial	Recio, M. C., Rios, J. L., and Villar, A., A review of some antimicrobial compounds isolated from medicinal plants reported in the literature 1978-1988, <i>Phytotherapy Research</i> , 3(4), 1989, 117-125.
Antileishmanic ED50=24 ug/mL	
Antimalarial	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Antitrypanosomic	Nigg, H.N. and Seigler, D.S., eds. 1992. <i>Phytochemical Resources for Medicine and Agriculture.</i> Plenum Press, New York. 445 pp.
Aphrodisiac 5 mg/mus	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bradycardic 400 pm frg	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
CNS-Stimulant	Merck 11th Edition
Cardiovascular 5 ivn dog	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Convulsant	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
Cytotoxic	
Desmutagenic	
Hallucinogenic 4 mg/kg ori man	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
MAO-Inhibitor	
Pesticide	
Phototoxic	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, <i>Herbs, Spices &amp; Medicinal Plants: Recent Advances in Botany, Horticulture, &amp; Pharmacology</i> , v. 4, Oryx Press, Phoenix, 1989, 267pp.
Protisticide	
Psychotropic	Fitoterapia No.5-1990.
Spinodepressant 5 mg/kg ivn cat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tremorigenic 15 ipr rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tremorigenic 3 ivn rbt	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Uteractive 1 mg/kg ivn cat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Uterotonic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals.</i> The Pharmaceutical Press, London. 296pp.

HARMALOL

Seed

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**Activities (7)**

Antibacterial	Recio, M. C., Rios, J. L., and Villar, A., A review of some antimicrobial compounds isolated from medicinal plants reported in the literature 1978-1988, <i>Phytotherapy Research</i> , 3(4), 1989, 117-125.
Antimitotic 10 ug/ml	
Aphrodisiac 5 mg/mus	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
CNS-Stimulant	
Cytotoxic	
Desmutagenic	
Pesticide	

HARMAN

Seed

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**Activities (7)**

Convulsant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Cytotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Herbicide	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
MAO-Inhibitor	
Topoisomerase-I-Inhibitor ED50=23.8 ug/ml (weak)	Funayama, Y., Nishio, K., Kabayashi, K., Nagao, M., Shimoi, K., Ohira, T., Hasegawa, S., Saijo, N. 1996. Effects of Beta- and Gamma-carboline Derivatives on DNA Topoisomerase Activities. <i>Mutat Research</i> , 249: 183-191.
Tranquilizer	
Tremorigenic ED50=23 ipr	

HARMINE

Seed

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Activities (23)	
Anthelmintic	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
Antiganglionic 25 mg/kg ivn cat	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.
Antimalarial	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
Antiparkinsonian	
Antiseptic	
Antitrypanosomic 5 ug/ml	
Antiviral	Economic & Medicinal Plant Research, 5: 199.
Aphrodisiac 5 mg/mus	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bradycardic	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
CNS-Sedative	
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cardiovascular 4 mg/kg ivn cat	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.
Convulsant	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.
Cytotoxic	
Desmutagenic	
Euphoriant	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Hallucinogenic 4 mg/kg orl man	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Immunosuppressant	
MAO-Inhibitor	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 Benficent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.
Pesticide	
Photoactive	Economic & Medicinal Plant Research, 5: 199.
Tremorigenic ED50=9 ipr	

ISOPEGANINE	Seed	--	--		*
PEGAMINE	Plant	--	--		*
PEGANINE	Plant	--	--		*
PEGANOL	Plant	--	--		*
PEGANONES	Plant	--	--		*
PHOSPHORUS	Plant	--	600.0	-1.44	*

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.				
PROTEIN	Plant	57000.0	17650.0	-1.28	*
PROTEIN	Seed	294000.0	352000.0	1.05	*
RUINE	Plant	--	--		*
VASCINONES	Plant	--	--		*
VASICINONE	Seed	--	--		*

**Activities (13)**

(+)-Inotropic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Anthelmintic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiallergic 10 mg/ml aerosol	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Antianaphylactic	Wealth of India.
Antiasthmatic	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Antifeedant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antifertility	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antihistaminic 10 mg/ml aerosol	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Bronchoconstrictor	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Bronchodilator	
Hypotensive	
Pesticide	
Respirastimulant	Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.

WATER

Plant

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677000.0

-0.4

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