

# List of All Chemicals

## **P** Rauvolfia tetraphylla (Apocynaceae)

### Common name(s)

Pinque-Pinque; Four-Leaf Devilpepper

### 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
AJMALICINE	Plant	--	--		*
<b>Activities (11)</b>					
Adrenolytic	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Antiadrenergic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.				
Antiaggregant					
Antidiuretic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				
Antihypertensive	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
CNS-Depressant					
Cerebrocirculant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Circulotonic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				
Hypotensive	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Sympatholytic	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Tranquilizer	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
AJMALINE	Plant	--	--		*
<b>Activities (16)</b>					
Adrenolytic	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Allergenic					
Antiarrhythmic 200-300 mg/orl/man/day					
Antihypertensive					
Antihypertonic	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Calcium-Antagonist gpg					
Cardiodepressant	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.				
Cardiotoxic	Martindale's 29th				
Convulsant	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				
Coronary-Dilator	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Hypotensive					
Myocardiodepressant					
Neurotoxic					
Peristaltic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.				
Respirastimulant	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.				
Tranquilizer	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.				
ALKALOIDS	Root	600.0	2000.0	-0.82	*
ALKALOIDS	Leaf	4000.0	18000.0	0.6	*
ALKALOIDS	Stem	1000.0	5000.0	0.43	*
ALPHA-YOBIMBINE	Stem Bark	--	2000.0		*
ALPHA-YOBIMBINE	Root Bark	--	1000.0		*

ALPHA-YOHBIMBINE	Leaf	--	5000.0	*
ALSTONINE	Plant	--	--	*
<b>Activities (5)</b>				
Antiamoebic	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.			
Antibacterial				
Antineoplastic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Fungicide	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, Phytotherapy Research, 3(4), 1989, 117-125.			
Pesticide				
ARICINE	Leaf	--	--	*
<b>Activities (4)</b>				
(-)-Chronotropic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.			
Amebicide IC50=3.6 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.			
Cytotoxic IC50=>100 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.			
Pesticide				
BETA-YOHBIMBINE	Root	--	--	*
CANEMBRINE	Plant	--	--	*
CARPAGINE	Plant	--	--	*
CHALCHUPINE-A	Plant	--	--	*
CHALCHUPINE-B	Plant	--	--	*
CORYNANTHINE	Plant	--	--	*
<b>Activities (8)</b>				
Adrenergic-Blocker				
Anesthetic				
Antimalarial IC50=>200 uM	Rukunga, G, and Simons, A. J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp.			
Antiplasmodial IC50=>200 uM	Rukunga, G, and Simons, A. J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp.			
Aphrodisiac				
Bradycardic				
Hypotensive				
Sympatholytic				
DELTA-YOHBIMBINE	Root	--	--	*
DESERPIDINE	Root	--	--	*
<b>Activities (8)</b>				
Antiandrogenic				
Antifrigidity				
Antihypertensive	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.			
Estrogenic				
Hypotensive 250-1,000 ug/man/day	Martindale's 29th			
Mastogenic				
Sedative	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.			
Tranquilizer 100-1,000 ug/man/day	Martindale's 29th			
EPSILON-YOHBIMBINE	Root	--	--	*
ISORAUNESCINE	Plant	--	--	*
ISORESERPILINE	Plant	--	--	*
<b>Activities (4)</b>				
CNS-Depressant				
Cardiotoxic				
Hypotensive 5 mg/kg ivn mus				
Parasympathetic				
ISORESERPININE	Leaf	--	--	*

PSEUDORESERPINE	Plant	--	--	*
PSEUDOYOHIMBINE	Plant	--	--	*
RAUJEMIDINE	Plant	--	--	*
RAUVOLSINE	Plant	--	--	*
RENOSYDINE	Plant	--	--	*
RESERPIDINE	Plant	--	--	*
RESERPILINE	Leaf	--	--	*

**Activities (1)**

Antihypertensive Martindale's 28th

RESERPINE	Root	--	--	*
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**Activities (32)**

Abortifacient 0.04 mg/kg ipr?  
rbr

Abortifacient

AntiRaynaud's 1-1.5 mg/iar/man/day Martindale's 28th

Antiadrenergic

Anticonvulsant

Antidyskinetic 500-5,000 ug/man/day Martindale's 28th

Antihypertensive 250-500 ug/man/day Martindale's 28th

Antileukemic

Antimigraine Martindale's 28th

Antipsychotic 100-1,000 ug/man/day Martindale's 28th

Antipyretic

Antischizophrenic

Antistress

Antitumor

Bradycardic Martindale's 28th

CNS-Depressant

Calcium-Antagonist 1 uM rbt, rat, gpg

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

Hepatoprotective

Hypotensive Merck 11th Edition

Hypothermic 2.5 mg/kg scu mus

MDR-Inhibitor 2.5-10 uM

Peristaltic

Rodenticide Martindale's 28th

Sedative Martindale's 28th

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

Teratogenic 1-2 mg/kg ims ipr rat

Tranquilizer Merck 11th Edition

Tumorigenic 5-10 ppm feed orl mus

Ulcerogenic 0.1 mg/kg/day/6 weeks imr rat

Uterotonic 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.

Vasoconstrictor

RESERPINE	Root	--	--	*
SARPAGINE	Plant	--	--	*
SERPENTINE	Plant	--	--	*

**Activities (9)**

Antibacterial	
Antitumor	
Carcinogenic	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Fungicide	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.
Hypotensive	
Pesticide	
Sedative	
Topoisomerase-II-Inhibitor 50 uM	Dassonneville, L., et al. 1999. Stimulation of Topoisomerase II-Mediated DNA Cleavage by Three DNA-Intercalating Plant Alkaloids: Cyrptolepine, Matadine, and Serpentine. <i>Biochemistry</i> , 38: 7719-7726.
Tranquilizer	

SERPENTININE	Root	--	--	*
SERPOSTEROL	Root	--	--	*
TETRAPHYLLICINE	Root	--	--	*
TETRAPHYLLINE	Root	--	--	*