

List of All Chemicals

P Ephedra nevadensis (Ephedraceae)

Common name(s)

Brigham Tea; Mormon Tea

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 parts ... ▾ | Low PPM | High PPM | StdDev | *Reference |
|------------------------------------|-------------------------|------------|-------------|--------|--|
| (+)- NEOPSEUDOEPHEDRINE? | Plant | -- | -- | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| CALCIUM | Plant | 4500.0 | 58100.0 | 4.76 | * |
| Activities (28) | | | | | |
| 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 | | | | | |
| Antitic | | | | | 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 | | | | | |
| EPHEDRINE | Branches | -- | -- | | Jim Duke's personal files. |

Activities (49)

| | |
|--|--|
| Adrenergic | Martindale's 29th |
| Allergenic | Martindale's 29th |
| Anesthetic | |
| Antiallergic | |
| Antianaphylactic | |
| Antiappetant | |
| Antiarachidonate | |
| Antiasthmatic 15-60 mg/3-4 x/day/orl/man | Martindale's 29th |
| Antibronchitic | |
| Anticholinesterase | |
| Antiedemic 30 mg/3-4x/day/man | Martindale's 29th |
| Antiemphysemic | |
| Antienuretic 60 mg/man/night | Martindale's 29th |
| Antiepileptic | |
| Antiherpetic | |
| Antihiccup 5-10 mg/ivn/man | Martindale's 29th |
| Antihistaminic | |
| Antiinflammatory | |
| Antimyasthenic 30 mg/3x/day/man | Martindale's 29th |
| Antinarcotic | Martindale's 29th |
| Antirhinitic | Martindale's 29th |
| Antisinusitic | Martindale's 29th |
| Antisyncopic 25 mg/4 x/day/man | Martindale's 29th |
| Antitussive 0.01 mg/kg | Schulz, V. Hansel, R and Tyler, VE. 1998. Rational Phytotherapy - A Physician's Guide to Herbal Medicine. 3rd ed. 1st English Edition. Translated by Terry C. Telger. Springer Verlag, Heidelberg. 306 pp. |
| Antiviral | |
| Bronchodilator 1.5-3 mg/kg orl dog | 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. |
| Bronchodilator 5 mg/cat orl | 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. |
| Bronchorelaxant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
| CNS-Stimulant 20 mg/dog | 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. |
| Cardiotonic 1 mg/kg ivn 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. |
| Cerebrostimulant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
| Controlled | |
| Decongestant | 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. |
| Dermatitigenic | |
| Diuretic | |
| Hallucinogenic | Martindale's 29th |
| Hypertensive 30 mg/man/day | Martindale's 28th |
| Insecticide | Grainge, M. and Ahmed, S., Handbook of Plants with Pest-Control Properties, John Wiley & Sons, New York, NY, 1988, 470. |
| Mydriatic | Merck 11th Edition |
| Myocardiotoxic | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
| Myorelaxant | |
| Pesticide | |
| Respirastimulant | Martindale's 29th |
| Stimulant | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp. |
| Sympathomimetic | Merck 11th Edition |
| Tachycardic | Martindale's 28th |
| Tracheorelaxant | |
| Uterocontractant | |
| Vasoconstrictor | Martindale's 29th |

EPHEDRINE

Root

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Jim Duke's personal files.

Activities (49)

| | |
|--|---|
| Adrenergic | Martindale's 29th |
| Allergenic | Martindale's 29th |
| Anesthetic | |
| Antiallergic | |
| Antianaphylactic | |
| Antiappetant | |
| Antiarachidonate | |
| Antiasthmatic 15-60 mg/3-4 x/day/orl/man | Martindale's 29th |
| Antibronchitic | |
| Anticholinesterase | |
| Antiedemic 30 mg/3-4x/day/man | Martindale's 29th |
| Antiemphysemic | |
| Antienuretic 60 mg/man/night | Martindale's 29th |
| Antiepileptic | |
| Antiherpetic | |
| Antihiccup 5-10 mg/ivn/man | Martindale's 29th |
| Antihistaminic | |
| Antiinflammatory | |
| Antimyasthenic 30 mg/3x/day/man | Martindale's 29th |
| Antinarcotic | Martindale's 29th |
| Antirhinitic | Martindale's 29th |
| Antisinusitic | Martindale's 29th |
| Antisyncopic 25 mg/4 x/day/man | Martindale's 29th |
| Antitussive 0.01 mg/kg | Schulz, V., Hansel, R and Tyler, VE. 1998. Rational Phytotherapy - A Physician's Guide to Herbal Medicine. 3rd ed. 1st English Edition. Translated by Terry C. Telger. Springer Verlag, Heidelberg. 306 pp. |
| Antiviral | |
| Bronchodilator 1.5-3 mg/kg orl dog | 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. |
| Bronchodilator 5 mg/cat orl | 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. |
| Bronchorelaxant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
| CNS-Stimulant 20 mg/dog | 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. |
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| Cerebrostimulant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
| Controlled | |
| Decongestant | 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. |
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| Diuretic | |
| Hallucinogenic | Martindale's 29th |
| Hypertensive 30 mg/man/day | Martindale's 28th |
| Insecticide | Grainge, M. and Ahmed, S., Handbook of Plants with Pest-Control Properties, John Wiley & Sons, New York, NY, 1988, 470. |
| Mydriatic | Merck 11th Edition |
| Myocardiotoxic | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
| Myorelaxant | |
| Pesticide | |
| Respirastimulant | Martindale's 29th |
| Stimulant | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp. |
| Sympathomimetic | Merck 11th Edition |
| Tachycardic | Martindale's 28th |
| Tracheorelaxant | |
| Uterocontractant | |
| Vasoconstrictor | Martindale's 29th |

EPHEDRINE

Stem

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Jim Duke's personal files.

Activities (49)

| | |
|--|---|
| Adrenergic | Martindale's 29th |
| Allergenic | Martindale's 29th |
| Anesthetic | |
| Antiallergic | |
| Antianaphylactic | |
| Antiappetant | |
| Antiarachidonate | |
| Antiasthmatic 15-60 mg/3-4 x/day/orl/man | Martindale's 29th |
| Antibronchitic | |
| Anticholinesterase | |
| Antiedemic 30 mg/3-4x/day/man | Martindale's 29th |
| Antiemphysemic | |
| Antienuretic 60 mg/man/night | Martindale's 29th |
| Antiepileptic | |
| Antiherpetic | |
| Antihiccup 5-10 mg/ivn/man | Martindale's 29th |
| Antihistaminic | |
| Antiinflammatory | |
| Antimyasthenic 30 mg/3x/day/man | Martindale's 29th |
| Antinarcotic | Martindale's 29th |
| Antirhinitic | Martindale's 29th |
| Antisinusitic | Martindale's 29th |
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| Bronchorelaxant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
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| Myocardiotoxic | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
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| Tracheorelaxant | |
| Uterocontractant | |
| Vasoconstrictor | Martindale's 29th |

EPHEDRINE Plant -- -- *

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| | |
|--|---|
| Adrenergic | Martindale's 29th |
| Allergenic | Martindale's 29th |
| Anesthetic | |
| Antiallergic | |
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| Antihiccup 5-10 mg/ivn/man | Martindale's 29th |
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| Antiinflammatory | |
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| Antinarcotic | Martindale's 29th |
| Antirhinitic | Martindale's 29th |
| Antisinusitic | Martindale's 29th |
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| Bronchorelaxant | Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp. |
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| Pesticide | |
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| Stimulant | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp. |
| Sympathomimetic | Merck 11th Edition |
| Tachycardic | Martindale's 28th |
| Tracheorelaxant | |
| Uterocontractant | |
| Vasoconstrictor | Martindale's 29th |

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|------------|-------|----|--------|------|---|
| LUCENIN-2 | Shoot | -- | -- | | Jim Duke's personal files. |
| PHOSPHORUS | Plant | -- | 5000.0 | 0.68 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |

| 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. |

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|---------|-------|----|---------|-------|---|
| PROTEIN | Shoot | -- | -- | | Jim Duke's personal files. |
| PROTEIN | Plant | -- | 50000.0 | -1.01 | * |
| RESIN | Plant | -- | -- | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| TANNIN | Plant | -- | -- | | * |

| Activities (35) | | | | | |
|---|--|--|--|--|---|
| Anthelmintic | | | | | |
| AntiHIV | | | | | |
| Antibacterial | | | | | |
| Anticancer | | | | | |
| Anticariogenic | | | | | |
| Antidiarrheic | | | | | |
| Antidysenteric | | | | | |
| Antihepatotoxic | | | | | |
| Antihypertensive | | | | | |
| Antilipolytic | | | | | |
| Antimutagenic | | | | | |
| Antinephritic | | | | | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antiphidic | | | | | Economic & Medicinal Plant Research, 5: 363. |
| Antioxidant IC50=1.44 ug/ml | | | | | |
| Antioxidant 1/3 quercetin | | | | | |
| Antiradicular 500 mg/kg/day orl mus | | | | | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antiradicular 1/3 quercetin | | | | | |
| Antirenitic | | | | | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Antitumor | | | | | |
| Antitumor-Promoter | | | | | |
| Antiulcer | | | | | |
| Antiviral | | | | | |
| Cancer-Preventive | | | | | HerbalGram No. 22 - Spring 1990, page 14. |
| Carcinogenic | | | | | |
| Chelator | | | | | |
| Cyclooxygenase- Inhibitor | | | | | |
| Glucosyl- Transferase-Inhibitor | | | | | |
| Hepatoprotective | | | | | |
| Immunosuppressant | | | | | |
| Lipoxygenase- Inhibitor | | | | | |
| MAO-Inhibitor | | | | | |
| Ornithine- Decarboxylase- Inhibitor | | | | | |
| Pesticide | | | | | |
| Psychotropic | | | | | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990. |
| Xanthine-Oxidase- Inhibitor | | | | | |

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|-----------|-------|----|----|--|----------------------------|
| VICENIN-2 | Shoot | -- | -- | | Jim Duke's personal files. |
|-----------|-------|----|----|--|----------------------------|

Activities (12)

ACE-Inhibitor IC50=0.2 mM/l

Antiangiogenic

Anticancer

Anticancer (Prostate)

Anticarcinomic

Antiinflammatory ED50=148 (ipr
mus)

Antiproliferant

Apoptotic

Cyclin-B1-Inhibitor

Cyclin-D1-Inhibitor

Oviposition-Stimulant

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

Radioprotective