

**Dr. Duke's Phytochemical and Ethnobotanical Database****Ethnobotanical Uses for Piper betel**

<b>Ethnobotanical Use</b>	<b>Country/Region</b>	<b>Reference</b>
Adenopathy	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Anodyne	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Antioxidant	Elsewhere	
Antiseptic	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Antiseptic	Turkey	Steinmetz, E.F. 1957. codex Vegetabilis. Published by the author, Amsterdam.
Antiseptic	Elsewhere	
Aphrodisiac	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Asthma	India(Santal)	
Astringent	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Astringent	Turkey	Steinmetz, E.F. 1957. codex Vegetabilis. Published by the author, Amsterdam.
Bactericide	Elsewhere	
Bite(Snake)	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Bronchitis	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Bronchitis	India(Santal)	
Bruise	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Cancer	Thailand	Hartwell, J.L. 1967-71. Plants used against cancer. A survey. Lloydia 30-34.

<b>Ethnobotanical Use</b>	<b>Country/Region</b>	<b>Reference</b>
Carminative	China	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Carminative	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Carminative	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Carminative	Elsewhere	
Catarrh	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Catarrh	Elsewhere	
CNS depressant	Elsewhere	
Colic	India(Santal)	
Congestion	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Contraceptive	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Cough	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Cough	India(Santal)	
Cough	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Digestive	Elsewhere	
Diphtheria	Elsewhere	
Diphtheria	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.

<b>Ethnobotanical Use</b>	<b>Country/Region</b>	<b>Reference</b>
Dysentery	India(Santal)	
Edema	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Eye	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Fungicide	Elsewhere	
Gargle	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Inflammation	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Inhalant	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Itch	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Laryngitis	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Liver	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Lung	Elsewhere	
Malaria	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Masticatory	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Masticatory	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Masticatory	Turkey	Steinmetz, E.F. 1957. codex Vegetabilis. Published by the author, Amsterdam.
Phthisis	India(Santal)	
Pregnancy	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Preventitive	China	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.

<b>Ethnobotanical Use</b>	<b>Country/Region</b>	<b>Reference</b>
Preventitive(Malaria)	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Rheumatism	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Satyriasis	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Sore	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Sore	India(Santal)	
Sore	China	ANON. 1974. A barefoot doctor's manual. DHEW Publication No. (NIH): 75-695.
Sore(Throat)	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Sterilizant	India	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Stimulant	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Stimulant	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Stimulant	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Stimulant	China	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Stimulant	Elsewhere	
Stimulant	Turkey	Steinmetz, E.F. 1957. codex Vegetabilis. Published by the author, Amsterdam.
Swelling	China	Shih-chen, Li. 1973. Chinese medicinal herbs. Georgetown Press, San Francisco.
Syphilis	India(Santal)	
Thirst	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.
Tuberculosis	India(Santal)	

<b>Ethnobotanical Use</b>	<b>Country/Region</b>	<b>Reference</b>
Tumor	Indochina	Hartwell, J.L. 1967-71. Plants used against cancer. A survey. Lloydia 30-34.
Womb	India(Santal)	
Wound	Asia	Uphof, J.C. Th. 1968. Dictionary of economic plants. 2nd ed. Verlag von J. Cramer.
Wound	Egypt	Tackholm, Vivi and Gunnar. 1973 (reprint). Flora of Egypt. Vol. 1-4. Originally published in Foriad I Univ. Bulletin of the Faculty of Science, vol. 17, Cairo, 1941.