

List of All Chemicals

P Sophora flavescens (Fabaceae)

Common name(s)

Shrubby Sophora; Ku Shen

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	Low PPM	High PPM	StdDev	*Reference
(-)-KURARINONE	Root	--	--		Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.
Activities (1)					
Cytotoxic	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.				
(2S)-2'-METHOXYKURARINONE	Root	--	--		Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.
Activities (1)					
Cytotoxic	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.				
1-MAAKIAIN	Root	--	--		Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.
FORMONONETIN	Root	--	--		Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.
Activities (16)					
Abortifacient	Cooper-Driver, G. A., Chemical substances in plants toxic to animals, pp. 213-47 in Rechcigl, M., Jr., ed. CRC Handbook of Naturally Occurring Food Toxicants, CRC Press, Boca Raton, 1983, 339 pp.				
Anticephalagic					
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Antiulcer?					
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Estrogenic	Merck 11th Edition				
Fungicide ED50=250-350 ug/ml	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.				
Fungicide ED50=>100					
Fungicide IC16-18=100 uM					
Herbicide-Safener	Chau (1985) in Purseglove et al. Acta Botanica Sinica, 2.				
Hypocholesterolemic					
Hypolipidemic					
Myorelaxant	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.				
Pesticide					
Topoisomerase-I-Inhibitor	Santti, R., Makela, S., Strauss, L., Korman, J., Kostian, M. L. 1998. Phytoestrogens: Potential Endocrine Disruptors in Males. Toxicol Ind Health, 14: 223-237.				
VAM-Stimulant	Chau (1985) in Purseglove et al. Acta Botanica Sinica, 2.				
LEACHIANONE-A	Root	--	--		Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.
Activities (1)					
Cytotoxic	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.				
SOPHORAFLAVANONE-G	Root	--	--		Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from Sphora flavescens. J. Natural Products, 63(5): 680-681.

Activities (3)

Antiseptic MIC=3-6ug/mL

Cytotoxic

Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from *Sphora flavescens*. *J. Natural Products*, 63(5): 680-681.

Pesticide