

List of All Chemicals

P Citrus meyerii (Rutaceae)

Common name(s)

Meyer lemon

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
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IMPERATORIN	Seed	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
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Activities (25)

Antiaflatoxin
IC50=2.66 uM

Antiaflatoxin 0.7
ppm

Antiaggregant

Antialopecic Martindale's 28th

Anticonvulsant

Antiinflammatory

Antileukodermic

Antimitotic 5-25
ug/ml Gawron, A. and Glowniak, K. 1987. Cytostatic Activity of Coumarins in vitro. *Planta Medica* 1987: 526.

Antimutagenic Saqib, Q. N., Hui, Y. H., Anderson, J. E. and McLaughlin, J. L. 1990. Bioactive Furanocoumarins from the Berries of *Zanthoxylum americanum*. *Phytotherapy Research* 4(6): 216-219.

Antiplatelet

Antitumor-Promoter
IC86=50 ug/ml

Antiviraligic

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

Calcium-Antagonist
IC50=4 ug/ml

Calcium-Antagonist
31.6 ug/ml gpg

Cancer-Preventive 5-
25 ug/ml Gawron, A. and Glowniak, K. 1987. Cytostatic Activity of Coumarins in vitro. *Planta Medica* 1987: 526.

Cytochrome-P450-
Inhibitor 2 nM

DME-Inhibitor
IC50=116 uM Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 134.

Hepatoprotective
IC50=2.66 uM

Hepatoprotective 0.7
ppm

Hepatotoxic

Lipolytic

Molluscicide

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

Sedative Buchbauer, G., Jirovetz*, L., Nikiforov, A., Remberg, G., Raverdino, V. 1989. Headspace-Analysis and Aroma Compounds of Austrian Hay-Blossoms (*Flores Graminis*, *Graminis Flos*) used in Aromatherapy. *J. Ess. Oil Res.*, 2: 185-191, 1990.