

# List of All Chemicals

## P Rubus sp. (Rosaceae)

### How used

Food

\*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 ▾	Low PPM	High PPM	StdDev	*Reference
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CASUARICTIN	Plant	--	--		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 (5)

AntiHIV

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

Antihyperpetic  
EC50=0.044 ug/ml

Pesticide

Xanthine-Oxidase-Inhibitor IC50=11 uM  
Hatano, T., Yasuhara, T., Yoshihara, R., Agata, I., Noro, T., and Okuda, T. 1989. Effects of Interaction of Tannins with Co-existing Substances.VII. Inhibitory Effects of Tannins Related Polyphenols on Xanthine Oxidase. Chem. Pharm. Bull. 38(5): 1224-1229

PEDUNCULAGIN	Plant	--	--		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 (9)

Antihepatotoxic  
Okuda, T., Yoshida, T., and Hatano, T. Antioxidant Effects of Tannins and Related Polyphenols. Phenolic Compounds in Food and Their Effects on Health, Ch.7 p.93.

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

Antimutagenic  
Economic & Medicinal Plant Research, 6: 235.

Antioxidant

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

Beta-Adrenergic Receptor Blocker 10 uM  
Zhu, M., Phillipson, J. D., Greengrass, P. M., Bowery, N. E., Cai, Y. 1997. Plant Polyphenols: Biologically Active Compounds or Non-Selective Binders to Protein? Phytochemistry, 44(3): 441-447.

Topoisomerase-I-Inhibitor 0.03 ug/ml  
Ooishi, K., Kato, J., Hayamizu, K. 1994. Topoisomerase Inhibitors Containing Tannins, Especially Pedunculagin, for Treatment of Cancer. Patent, Japan Kokai Tokkyo Koho-06 72,885. 7pp.

Topoisomerase-II-Inhibitor IC100=0.5 uM  
Kashiwada, Y., Nonaka, G. I., Nishioka, I., Lee, J. H., Bori, I., Fukushima, Y., Bastow, K. F., Lee, K. H. 1993. Tannins as Potent Inhibitors of DNA Topoisomerase II in vitro. J Pharm Sci, 82: 487-492.

Xanthine-Oxidase-Inhibitor IC50=18 uM  
Hatano, T., Yasuhara, T., Yoshihara, R., Agata, I., Noro, T., and Okuda, T. 1989. Effects of Interaction of Tannins with Co-existing Substances.VII. Inhibitory Effects of Tannins Related Polyphenols on Xanthine Oxidase. Chem. Pharm. Bull. 38(5): 1224-1229

PYROGALLOL	Leaf	--	--		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 (23)**

## Abortifacient

Allelochemic IC50=6.53  
mM

Lydon, J. &amp; Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. &amp; Simon, J., eds, Herbs, Spices &amp; Medicinal Plants: Recent Advances in Botany, Horticulture, &amp; Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.

## Antibacterial

## Anticlastogen

## Antidermatitic

Martindale's 29th

## Antilupus

## Antimutagenic

## Antioxidant

Jim Duke's personal files.

## Antipsoriac

Merck 11th Edition

## Antiseptic

Martindale's 29th

## CNS-Active

## Candidicide

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

Cardiovascular 25 mg/kg  
ivn 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.

## Dye

Merck 11th Edition

## Ecbolic

## Fungicide

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

## Insulin-Sparing

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

## Irritant

Merck 11th Edition

## Nephrotoxic

Martindale's 29th

## Nigrifacient

Martindale's 29th

## Pesticide

Prostaglandin-Synthesis-  
Inhibitor IC50=900 uM

Alanko, J., et al. 1999. Modulation of Arachidonic Acid Metabolism by Phenols: Relation to their Structure and Antioxidant/Prooxidant Properties. Free Radical Biol Med, 26(1/2): 193-201.

## Toxic

Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry