

List of All Chemicals

P Eucalyptus wandoo (Myrtaceae)

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 <input type="button" value="All"/>	Low PPM	High PPM	StdDev	*Reference
RESVERATROL	Wood	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities (68)

5-HETE-Inhibitor IC50=3-9 uM

5-HT-Inhibitor IC50=3-9 uM

5-Lipoxygenase-Inhibitor IC50=1-9 uM

5-Lipoxygenase-Inhibitor IC50=48 uM

Akt-Inhibitor

Antiaggregant IC50=0.016-232 uM/L

Antiaggregant IC50=100 uM

Antiangiogenic

Antibacterial

Anticancer

Anticarcinogenic

Antiedemic ED50

Antieicosanoid

Antiinflammatory IC50=2.6 uM

Antileukemic 15-30 uM

Antileukotriene IC50=1.37 uM

Antilipoperoxidant IC50=2 mg/L

Antimutagenic ED50=4 uM

Antioxidant IC50=2 mg/L

Antioxidant 2 x Vit. E

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

Antiproliferant

Antiprostaglandin IC50=2.6 uM

Antiradicular ED50=27 uM

Antiseptic

Antithrombic IC50=100 uM

Antitumor

Antitumor (Mammary) ED50=3.1 uM

Antitumor (Prostate) 25 uM

Antitumor (Skin) ID68=1 uM

Antitumor (Skin) 5+ uM

Apoptotic IC50=15-30 uM

Artemicide

Beta-Glucuronidase-Inhibitor IC50=~25 uM

COX-1-Inhibitor ED50=15 uM

COX-1-Inhibitor 50 uM/

Jang, M. S., Pezzuto, J. M. 1998. Resveratrol Blocks Eicosanoid Production and Chemically-Induced Cellular Transformation: Implication for Cancer Chemoprevention. Pharm Biol Suppl, 36: 28-34.

COX-2-Inhibitor 50 uM/

COX-2-Inhibitor 30 uM/

Subbaramaiah, K., Michaluart, P., Chung, W. J., Dannenberg, A. J. 1998. Resveratrol Inhibits the Expression of Cyclooxygenase-2 in Human Mammary and Oral Epithelial Cells. Pharm. Biol. Suppl., 36: 35-43.

COX-2-Inhibitor >2.5->22.5 uM

CYP1A1-Inhibitor

Cardioprotective

Casein-Kinase-II-Inhibitor	
Chemopreventive	
Cyclooxygenase-Inhibitor IC50=15 uM	
Differentiator IC50=18 uM	
Elastase-Inhibitor IC50=37 uM	
Estrogenic 22% of genistein	
Fungicide	Chemical Constituents of Oriental Herbs (3 diff. books)
HIF-1alpha-Inhibitor	
Hepatoprotective	
Hydroperoxidase-Inhibitor	
Hypocholesterolemic	
Hypotriglyceridemic	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
IKB-kinase-Inhibitor	
JNK-Inhibitor	
Lipolytic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
MAPK-Inhibitor	
NADH-Ubiquinone- Oxidoreductase-Inhibitor	
NF-kB-Inhibitor	
Ornithine-Decarboxylase- Inhibitor	
PKC-Inhibitor	
PKD-Inhibitor	
PTK-Inhibitor 110-263 uM	
Pesticide	
Phytoalexin	
Quinone-Reductase-Inducer ED100=21 uM	
Topoisomerase-II-Inhibitor IC50=49 uM	Sun, N. J., Woo, S. H., Cassady, J. M., Snapka, R. M. 1998. DNA Polymerase and Topoisomerase II Inhibitors From <i>Psoralea corylifolia</i> . <i>J Natural Products</i> , 61: 362-366.
VEGF-Inhibitor	