

List of All Chemicals

P *Metrosideros sclerocarpa* (Myrtaceae)

*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
(E)(E)-FARNESOL	Leaf		87.0	348.0	1.0	*
ALLO-AROMADENDRENE	Leaf		7256.0	29024.0	6.51	*
ALPHA-COPAENE	Leaf		7.0	28.0	-0.19	*
ALPHA-CUBEBENE	Leaf		28.0	112.0	0.37	*
ALPHA-GURJUNENE	Leaf		23.0	92.0	0.13	*
ALPHA-SELINENE	Leaf		62.0	248.0	4.18	*
Activities (3)						
Antimalarial IC50=>50 ug/ml	Rukunga, G. and Simons, A. J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp.					
Antiplasmodial IC50=>50 ug/ml	Rukunga, G. and Simons, A. J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp.					
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
AROMADENDRENE	Leaf		73.0	292.0	-0.44	*
Activities (3)						
Antiseptic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.					
Pesticide						
BETA-ELEMENE	Leaf		47.0	188.0	0.57	*
Activities (5)						
Anticancer (Cervix)	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.					
Antigliomic						
Antiproliferant						
Antitumor (Cervix)	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.					
Apoptotic						
BETA-SELINENE	Leaf		98.0	392.0	3.4	*
Activities (3)						
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Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
BICYCLOGERMACRENE	Leaf		40.0	160.0	-0.25	*
CADINA-1,4-DIENE	Leaf		28.0	112.0	3.59	*
CALACORENE	Leaf		7.0	28.0	0.65	*
CALEMENE	Leaf		19.0	76.0		*
CARYOPHLYLLENE	Leaf		191.0	764.0		*
DELTA-CADINENE	Leaf		223.0	892.0	3.42	*

Activities (9)						
Aldose-Reductase-Inhibitor						
Antiacne						
Antibacterial MIC800 ug/ml		Muroi, H. and Kubo, I. 1993. Combination Effects of Antibacterial Compounds in Green Tea Flavor against Streptococcus mutans. J. Agric. Food Chem. 41: 1102-1105.				
Anticariogenic MIC800 ug/ml		Muroi, H. and Kubo, I. 1993. Combination Effects of Antibacterial Compounds in Green Tea Flavor against Streptococcus mutans. J. Agric. Food Chem. 41: 1102-1105.				
Antistreptococcic						
Cytochrome-P450-Inducer						
P450-Inducer						
Pesticide						
Testosterone-Inducer						
GAMMA-CADINENE	Leaf	53.0	212.0	1.89	*	
GERMACRENE-D	Leaf	34.0	136.0	-0.41	*	
Activities (2)						
Pesticide						
Pheromone						
GLOBULOL	Leaf	64.0	256.0	-0.28	*	
HUMULENE	Leaf	177.0	708.0	2.62	*	
Activities (2)						
Antimalarial IC50=86 ug/ml						
Antiplasmodial IC50=86 ug/ml						
METHYL-EUGENOL	Leaf	2.0	8.0	-0.81	*	
Activities (20)						
Anesthetic						
Antibacterial		Internat. J. Oriental Med. 15(4): 199, 1990+				
Anticonvulsant						
Antidote (Strychnine)						
Antifeedant		Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Antioxidant EC50=100 ul/l						
Antiradicular EC50=100 ul/l						
Antiseptic						
Cancer-Preventive		Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Carcinogenic		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.				
FLavor FEMA 5-15		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Fungicide						
Fungistat 100 ug/ml		Laekeman, G.M., Van Hoof, L., Haemers, A., Vanden Berghe, D.A., Herman, A.G., and Vlietinck, A.J. Eugenol a Valuable Compound for In Vitro Experimental Research and Worthwhile for Further In Vivo Investigation. Phytotherapy Research 4(3): 93, 1990.				
Insectifuge		Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Myorelaxant		Fitoterapia No.61: 254, 1990.				
Narcotic						
Nematicide MIC=1 mg/ml		Shoyakugaku Zasshi, 44: 183.				
Perfumery		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Pesticide						
Sedative						
PALUSTROL	Leaf	22.0	88.0	1.38	*	
SPATHULENOL	Leaf	35.0	140.0	-0.03	*	
VIRIDIFLORENE	Leaf	150.0	600.0	2.92	*	
VIRIDIFLOROL	Leaf	56.0	224.0	0.32	*	

Activities (1)

Antiacetylcholinesterase IC50=25 ug/ml