

List of All Chemicals

P Oenanthe aquatica (Apiaceae)

Common name(s)

Water Fennel; Water Hemlock

How used

GRAS

*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
4-ISOPROPYL-2-CYCLOHEXEN-1-OL?	Fruit		--	--		*
4-ISOPROPYL-2-CYCLOHEXEN-1-ONE	Fruit		--	--		*
ANDROL	Fruit		--	--		*
APIOLE	Fruit		--	--		*

Activities (20)

Abortifacient 5,000 orl
rbt

Antidysmenorrhic

Antimalarial

Antineuralgic

Antipyretic 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.

Antireproductive 0.013
man

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

CNS-Stimulant #NAME?

Calcium-Antagonist
IC50=29.2 uM

Diuretic Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.

Emmenagogue

Hepatotoxic Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

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

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

Irritant Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

Pesticide

Secretolytic Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Synergist Merck 11th Edition

Uterotonic Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.

Vasodilator Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

BETA-PHELLANDRENE

Fruit

8000.0

20000.0

2.98

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Activities (3)

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

Fungicide Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.

Perfumery Merck 11th Edition

CAMPHENE

Fruit

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Activities (9)	
Allelopathic	Wright,C.W.(Ed)2002.Medicinal&Aromatic Plants-Industrial Profiles.Artemisia.344pp.Maffei,M.(Ed)2002.Vetiveria.The Genus Vetiveria.Taylor&Francis.NY,NY.191pp.Southwell,I.,Lowe,R.(Eds)1999.Tea Tree.The Genus Melaleuca.Harwood Acad.Pub.Amsterdam,Netherlands.
Antilithic?	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antioxidant	Jim Duke's personal files.
Expectorant	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
FLavor FEMA 15-175	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Hypocholesterolemic?	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Insectifuge Pesticide	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Spasmogenic	Fitoterapia No.59-1984.

EO	Fruit	10000.0	25000.0	-0.33	*
FAT	Fruit	--	200000.0	0.89	*
GALACTOSE	Fruit	--	--		*

Activities (1)	
Sweetener 0.32 x sucrose	Martindale's 28th

MANNOSE	Fruit	--	--		*
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Activities (3)	
AntiUTI	
Antiadhesive	
Anticystitic 0.25-1 tsp 3-4 x/day orl man	

MYRICETIN	Plant	--	--		*
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Activities (31)

Amphetaminagenic	
Anesthetic	
Antiaaggregant IC50=250 uM	Janssens, J., Laekeman, G.M., Pieters, L.A.C., Totte, J., Herman, A.G., and Vlietinck, A.J. 1990. Nutmeg Oil: Identification and Quantitation of its Most Active Constituents as Inhibitors of Platelet Aggregation. <i>J.of Ethnopharmacology</i> , 29: 179-188, 1990.
Antidepressant	Jim Duke's personal files.
Antiinflammatory	Jim Duke's personal files.
Antioxidant 25-100 mg/kg/orl	Jim Duke's personal files.
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antistress ihl	Jim Duke's personal files.
Calcium-Antagonist IC50=88 uM	
Calcium-Antagonist IC50=63.1 gpg (weak activity)	
Cancer-Preventive 10 mg/mus/orl/day	Jim Duke's personal files.
Diuretic	Tyler, V.E.. 1982. <i>The Honest Herbal</i> . George F. Stickley Co., Philadelphia PA. 263 pp.
FLavor FEMA 0.1-10	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Fungicide MIC=20 ug	
Hallucinogenic	Cooper-Driver, G. A., Chemical substances in plants toxic to animals, pp. 213-47 in Rechcigl, M., Jr., ed. <i>CRC Handbook of Naturally Occurring Food Toxicants</i> , CRC Press, Boca Raton, 1983, 339 pp.
Hepatotoxic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
Hypnotic	Iwu, M.M. 1993. <i>Handbook of African Medicinal Plants</i> . CRC Press, Boca Raton, FL 435 pp.
Hypotensive ihl	Jim Duke's personal files.
Insecticide 25 ppm	Hostettmann, K., Marston, A., Maillard, M. and Hamburger, M., eds. 1995. <i>Phytochemistry of Plants Used in Traditional Medicine</i> . (Proc. Phytochem. Soc. Eur. 37) Oxford Science Publications. New York. 408 pp.
Insecticide-Synergist	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Larvicide 25 ppm	
MAO-Inhibitor	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. <i>Tips 13:15-20</i> Huxtable, R.J. 1992b. The Myth of Benficient Nature. The Risk of Herbal Preparations. <i>Anns. Intern. Med.</i> 117(2):165-6; Huxtable, R.
Oxytotic	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte</i> . Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Paralytic	<i>Oriental Materia Medica</i> (three volumes by Dr. Hsu and collaborators)
Pesticide	
Psychoactive	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. <i>Tips 13:15-20</i> Huxtable, R.J. 1992b. The Myth of Benficient Nature. The Risk of Herbal Preparations. <i>Anns. Intern. Med.</i> 117(2):165-6; Huxtable, R.
Sedative 300 mg/kg ipr	Jim Duke's personal files.
Serotoninerbic 1,000 ppm orl	Jim Duke's personal files.
Tachycardic	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Uterotonic	Tyler, V.E.. 1982. <i>The Honest Herbal</i> . George F. Stickley Co., Philadelphia PA. 263 pp.

N-1-NONEN-3-OL	Fruit	--	--	*
N-2-NONEN-1-OL?	Fruit	--	--	*
N-4-UNDECEN-3-OL?	Fruit	--	--	*
OENANTHETOXIN	Plant	--	--	*
PELLANDRAL	Fruit	--	--	*
PINENE	Fruit	--	--	*

Activities (12)					
Allergenic					
Antibacterial					
Antiseptic					
Antispasmodic	Fitoterapia No.59-1984.				
Convulsant	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That:The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.				
Enterocontractant	J. Aromatherapy 4: 22.				
Expectorant					
Fungicide					
Herbicide IC50=30 mM	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.				
Perfumery	Merck 11th Edition				
Pesticide					
Spasmogenic	Fitoterapia No.59-1984.				

RESIN	Fruit	--	40000.0	-0.27	*
RHAMNETIN	Plant	--	--		*

Activities (18)					
Aldose-Reductase-Inhibitor IC57=10 uM	Shimizu, M., Ito, T., Terashima, S., Hayashi, T., Arisawa, M., Morita, N., Kurokawa, S., Ito, K., and Hashimoto, Y. 1984. Inhibition of Lens Aldose Reductase by Flavonoids. <i>Phytochemistry</i> , 23: 1885-1888.				
Aldose-Reductase-Inhibitor IC23=1 uM					
Allergenic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.				
Antiaflatoxin IC50=1.29 uM					
Antiaflatoxin 0.41 ppm					
Antibacterial	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.				
Anticancer					
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.				
Antioxidant					
Antiradicular 7 x quercetin					
Antitumor					
Antitumor-Promoter					
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Dye	Merck 11th Edition				
Hepatoprotective IC50=1.29 uM					
Mutagenic					
Pesticide					
Quinone-Reductase-Inducer	Yannai, S., Day, A. J., Williamson, G., Rhodes, M. J. C. 1998. Characterization of Flavonoids as Monofunctional or Bifunctional Inducers of Quinone Reductase in Murine Hepatoma Cell Lines. <i>Food Chem Toxicol</i> , 36(8): 623-630.				

SABINENE	Fruit	--	--		*
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Activities (5)					
Antibacterial					
Antihelicobacter					
Antiseptic					
Antiulcer					
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				

TRANS-PENTADECA-7,13-DIENE-9,11-DIYN-1-OL	Plant	--	--		*
TRICETIN	Plant	--	--		*
WAX	Fruit	20000.0	30000.0	1.0	*