

List of All Chemicals

P *Eruca sativa* (Brassicaceae)

Common name(s)

Roquette vraie (Fr.; BOU); Kerkas (Arab.; BOU); Garden Rocket (Eng.; USN); Thorfel (Berber; BOU); Senfrauke (Ger.; USN); Dua (Kumaon; DEP); Euzomon (Greece; EB54:155); Duan (Nwp; KAB); Jamnia (Punjab; DEP); Piao erh ts'ai (Chi.; TAN); Lamba (India; USN); Kadamba (Sansk.; KAB); Siddartha (Sansk.; DEP; SKJ); Rucola (It.; Malta; Sp.); Mulai (Loralai; KAB); Horf (Arab.; BOU); Mandao (Afg.; DEP; KAB); Chara (Kumaon; DEP); Jambho (Sind.; DEP); Achnef (Berber; BOU); Arugula (Eng.; FAC; USN); Roquette cultivee (Fr.; KAB); Rocket Salad (Eng.; USN); Tara (Nwp.; Punjab; KAB; SKJ); Assu (Punjab; SKJ); Lalu (Nwp.; KAB); Rawk (Arab.; BOU); Roquette (Eng.; Fr.; BOU); Tantuka (Sansk.; KAB); Taramira (India; Nwp.); Izgin (Turkey; EB54:155); Tuverika (Sansk.; KAB); Tantubha (Sansk.; KAB); Ruke (Ger.; USN); Tanakfail (Berber; BOU); Eihukan (Iran; NAD); Sfed sarson (Hindi; MPI); Sahwan (Nwp.; KAB); Djerdjir (Arab.; BOU); Grahagna (Sansk.; KAB); Shwetsursha (Bengal; SKJ); Kadambaka (Sansk.; KAB); Rajika (Sansk.; KAB); Sidharta (Sansk.; KAB); Suffed shorshi (Bengal; DEP); Salad Rocket (Eng.; USN); Oruga comun (Sp.; USN); Ai'sha (Arab.; BOU); Jambeh (Iran; DEP; KAB); Ai'afein (Arab.; BOU); Eruca (Malta; KAB); Tira (Nwp.; DEP; KAB); Rugula (Eng.; USN); Bhutaghna (Sansk.; SKJ); Ackerrauke (Ger.; MAD); Jambeho (Sind.; KAB); Oroth (Bible; EB52:394); Ruca (Catalan; KAB); Daradharsha (Sansk.; KAB); Roquette des jardins (Fr.;KAB); Rabano silvestre (It.; Port.); Aruca (Malta; KAB); Sidhaprayojana (Sansk.; KAB); Roqueta (Sp.; USN); Gargir (Arab.; Hebrew; BOU); Rajakshavaka (Sansk.; KAB); Shiltam (Arab.; BOU); Jamba (India); Bou kahli (Arab.; BOU); Sarishapa (Sansk.; KAB); Gery (Arab.; BOU); Olrauque (Ger.; USN); Baglet (Arab.; BOU); Rucheta (Malta; KAB); Uragandha (Sansk.; KAB); Bimbata (Sansk.; KAB); Rocket (Eng.; BOU); Rouka (Arab.; BOU); Rakshitaphala (Sansk.; KAB); Sarshapa (Sansk.; KAB); Kibana suzushiro (Jap.; TAN)

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 All	Low PPM	High PPM	StdDev	*Reference
1-OCTEN-3-OL	Hs	--	--		*
2-ACETYLTHIAZOLE	Hs	--	--		*
2-METHYL-ANISOL	Hs	--	--		*
2-OCTANOL	Hs	--	--		*
Activities (1)					
Perfumery	Merck 11th Edition				
2-PENTYL-FURANE	Hs	--	--		*
3-OCTANOL	Hs	--	--		*
Activities (2)					
FLavor FEMA	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
3-OCTANONE	Hs	--	--		*
4-MERCAPTOBUTYL-GLUCOSINOLATE	Leaf	--	--		*
4-METHYL-SULFINYL-GLUCOSINOLATE	Leaf	--	--		*
4-METHYL-THIO-BUTYL-GLUCOSINOLATE	Leaf	--	--		*
4-METHYLTHIOBUTYL-ISOTHIOCYANATE	Hs	--	--		*
4-PENTENYL-ISOTHIOCYANATE	Hs	--	--		*
Activities (1)					
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.				
5-METHYLTHIO-PENTANENITRILE	Hs	--	--		*
5-METHYLTHIO-PENTYL-ISOTHIOCYANATE	Hs	--	--		*
ACETALDEHYDE	Hs	--	--		*

Activities (16)

Allergenic	
Antiasthmatic	
Antifeedant	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.
Antiseptic	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Counterirritant	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Decongestant	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Embryotoxic	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Fungicide MIC=1.8-3.5 ug/ml	
Herbicide IC100=0.4 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.
Insectiphile	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Mutagenic	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Nematovistat 50 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Pesticide	
Spice FEMA 1-80 ppm	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

ASH Seed -- 48000.0 0.0 *

BEHENIC-ACID Seed 4725.0 7370.0 0.01 *

Activities (1)

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

BENZALDEHYDE Hs -- -- *

Activities (24)

Allergenic	
Anesthetic	
Antibacterial	
Anticancer	
Antimutagenic	
Antipeptic	
Antiseptic	
Antispasmodic	
Antitumor	
Candidicide	
FLavor FEMA 150- 800	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Immunostimulant	
Insecticide	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Insectifuge 50 ppm	J. Stored. Prod. Res., 22:141, 1986.
Motor-Depressant	Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. Bioactive Volatile Compounds from Plants. ACS Symposium Series 525. Amer. Chem. Soc., Washington DC
Narcotic	Merck 11th Edition
Nematicide MLC=1 mg/ml	Shoyakugaku Zasshi, 44: 183.
Pesticide	
Sedative	Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. Bioactive Volatile Compounds from Plants. ACS Symposium Series 525. Amer. Chem. Soc., Washington DC
Termiticide LD100=5 mg/g	
Tyrosinase- Inhibitor ID50=820 uM	
Tyrosinase- Inhibitor ID50=87 ug/ml	
Tyrosinase- Inhibitor ID50=0.82 mM	
Tyrosinase- Inhibitor ID50=830 uM	

BENZYL-ALCOHOL Hs -- -- *

Activities (9)	
Allergenic	Martindale's 29th
Anesthetic	Martindale's 28th
Antiodontalgic	Martindale's 28th
Antipruritic	
Antiseptic	Martindale's 29th
FLavor Fema 200-1,200	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Fungicide	
Pesticide	
Sedative	Jim Duke's personal files.

BENZYL-BENZOATE Hs -- -- *

Activities (17)	
Acaricide LD50=9.22 ug/sq cm cf DEET at 37.59 ug/sq cm	
Allergenic	Martindale's 29th
Antiasthmatic	
Antidysmenorrhic	
Antispasmodic	
Antitumor ED50=8-15	Jung, J.H., Pummangura, S., Chaichantipyuth, c., Patarapanich, C., and McLaughlin, J.L. 1989. Bioactive Constituents of Melodorum fruticosum. <i>Phytochemistry</i> . 29(5): 1667-1670. 1990.
Artemicide LC50=2 ppm	Jung, J.H., Pummangura, S., Chaichantipyuth, c., Patarapanich, C., and McLaughlin, J.L. 1989. Bioactive Constituents of Melodorum fruticosum. <i>Phytochemistry</i> . 29(5): 1667-1670. 1990.
CNS-Depressant	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.
CNS-Stimulant	Martindale's 29th
FLavor FEMA 40-300	Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
Hypotensive	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.
Insectifuge	Martindale's 29th
Irritant	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.
Myorelaxant	
Pediculicide	Martindale's 29th
Pesticide	
Scabicide	Merck 11th Edition

BETA-CARYOPHYLLENE Hs -- -- *

BETA-CITRONELLOL Hs -- -- *

BETA-FARNESOL Hs -- -- *

CARVEOL Hs -- -- *

Activities (1)	
CNS-Stimulant	

CARVONE Hs -- -- *

Activities (19)

Allergenic	
Antiacetylcholinesterase IC50=1.4-1.8 mM	
Antiproliferative	
Antiseptic 1.5 x phenol	Wagner & Wolff, eds. 1977. <i>New Natural Products</i> (RS164. I56. 176)
CNS-Stimulant	
Cancer-Preventive	Stitt, P. A. <i>Why George Should Eat Broccoli</i> . Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidistat	
Carminative	Yamamoto, A., Umemori, S., and Muranishi, S. 1993. Absorption Enhancement of Intrapulmonary Administered Insulin by Various Absorption Enhancers and Protease Inhibitors in Rats. <i>J. Pharm. Pharmacol.</i> 46: 14-18, 1994.
FLavor FEMA 80-3,000	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Fungistat	
Insecticide	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Insectifuge	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Motor-Depressant	Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. <i>Bioactive Volatile Compounds from Plants</i> . ACS Symposium Series 525. Amer. Chem. Soc., Washington DC
Nematicide MLC=1 mg/ml	Shoyakugaku Zasshi, 44: 183.
Perfumery	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Pesticide	
Sedative	Buchbauer et al, e.g.Buchbauer et al,1993.Therapeutic properties of essential oils and fragrances. Chap.12 in Teranishi,R, Buttery,R.G and Sugisawa,H. Eds. <i>Bioactive Volatile Compounds from Plants</i> . ACS Symposium Series 525. Amer. Chem. Soc., Washington DC
Trichomonicide LD100=300 ug/ml	
Vermicide	

CIS-3-HEXENYL-2-METHYLBUTANOATE	Hs	--	--	*
CIS-3-HEXENYL-ACETATE	Hs	--	--	*
CIS-3-HEXENYL-BUTANOATE	Hs	--	--	*
CIS-HEXEN-1-OL	Hs	--	--	*
CUMINALDEHYDE	Hs	--	--	*

Activities (10)

Antibacterial	
FLavor FEMA <1	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Fungicide	Singh*, G., Upadhyay, R.K. 1990. Fungitoxic Activity of Cumaldehyde, Main Constituent of the Cuminum cyminum Oil. <i>Fitoterapia</i> 62(1): 86, 1991.
Irritant	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.
Larvicide	Leung, A.Y., <i>Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics</i> , John Wiley & Sons, New York, 1980.
Perfumery	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Pesticide	
Sedative	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.
Tyrosinase-Inhibitor ID50=0.05 mM	
Ulcerogenic	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. <i>Compendium of Safety Data Sheets for Research and Industrial Chemicals</i> . VCH Publishers, New York. 3560-4253.

CUMINYL-ALCOHOL	Hs	--	--	*
DECANOL	Hs	--	--	*

Activities (2)

Nematicide MLC 100-700 ug/ml	Shoyakugaku Zasshi, 44: 183.
Pesticide	

DELTA-CADINENE	Hs	--	--	*
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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					
DODECANAL	Hs	--	--		*
Activities (2)					
FLavor FEMA 1-100	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Irritant	Zebovitz, T. C. Ed. 1989. Part VII. Flavor and Fragrance Substances, in Keith L. H. and Walters, D.B., eds. Compendium of Safety Data Sheets for Research and Industrial Chemicals. VCH Publishers, New York. 3560-4253.				
DODECANOL	Hs	--	--		*
Activities (1)					
FLavor FEMA 1-30	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
EICOSENOIC-ACID	Seed	16425.0	34400.0	1.54	*
ERUCIC-ACID	Seed	75150.0	161460.0	0.89	*
Activities (2)					
Antitumor					
Lubricant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
FAT	Seed	225000.0	351000.0	0.45	*
FURFURAL	Hs	--	--		*
Activities (6)					
Antiseptic	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.				
FLavor FEMA 1-30	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Fungicide					
Insecticide					
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					
GLUCOERUCIN	Seed	--	--		*
HEPTAN-3-OL	Hs	--	--		*
HEXADECANOL	Hs	--	--		*
Activities (1)					
FLavor FEMA<1-2	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
HEXANAL	Hs	--	--		*
Activities (5)					
Antibacterial MBC=800 ug/ml					
Antisalmonella MIC=400 ug/ml					
Antiseptic 400-800 ug/ml					
FLavor FEMA <1-5	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Pesticide					
HEXANOIC-ACID	Hs	--	--		*

Activities (60)

AChE-Inhibitor	Grundy, D. L. and Still, C. C., Inhibition of acetylcholinesterases by pulegone-1,2-epoxide, Oest. Biochem. & Physiol., 23, 1985, 383-8.
Acaricide LC100=8 uM	
Allelochemic	
Allergenic 1/20th carene	
Antiacetylcholinesterase IC22-26=1.2 mM	
Antiadenomic	
Antialzheimeran?	Grundy, D. L. and Still, C. C., Inhibition of acetylcholinesterases by pulegone-1,2-epoxide, Oest. Biochem. & Physiol., 23, 1985, 383-8.
Antiasthmatic	
Antibacterial	Revista Itiliana Eppos, 12: 5, 1994.
Anticancer	
Antiesophagitic	
Antifeedant	
Antiflu	Economic & Medicinal Plant Research, 5: 195.
Antiinflammatory	
Antilithic	
Antilymphomic	
Antimetastatic (Stomach)	
Antimutagenic	Economic & Medicinal Plant Research, 6: 235.
Antiobesity	
Antiseptic	
Antispasmodic ED50=0.197 mg/ml	Fitoterapia No.59-1984.
Antitumor	
Antitumor (Breast)	
Antitumor (Colon)	
Antitumor (Pancreas)	
Antitumor (Prostate)	
Antitumor (Stomach)	
Antiviral	
Apoptotic	
Bronchoprotectant	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidistat	
Chemopreventive	
Cholesterolytic	
Detoxicant	
Enterocontractant	J. Aromatherapy 4: 22.
Expectorant	
FLavor	
Fungiphilic	J. Agric. Food Chem. 43: 2283.
Fungistat	
GST-Inducer	
Herbicide IC50=45 uM	Keeler, R.F. and Tu, A.T. eds. 1991. Toxicology of Plant and Fungal Compounds. (Handbook of Natural Toxins Vol. 6) Marcel Dekker, Inc. NY. 665 pp.
Histaminic	
Immunomodulator	
Insecticide 0.37 uM/fly	
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Interleukin-6-Inhibitor	
Irritant	
Lipolytic	
Myorelaxant 50 mg/kg	
NO-Genic	
Nematicide IC=100 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Ornithine-Decarboxylase-Inhibitor ~750 mg/kg (diet)	
Ozone-Scavenger	
P450-Inducer	
Peristaltic	
Pesticide	
Photosensitizer	Rinzler, C. A. 1990. The Complete Book of Herbs, Spices and Condiments. Facts on File, New York. 199 pp.
Sedative ED=1-32 mg/kg	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
Transdermal	

Activities (27)

5-Alpha-Reductase-Inhibitor

AntiMS	Economic & Medicinal Plant Research, 6: 189.
Antiacne	
Antiallopecic	
Antianaphylactic	Economic & Medicinal Plant Research, 6: 189.
Antiandrogenic	
Antiarteriosclerotic	
Antiarthritic	Economic & Medicinal Plant Research, 6: 189.
Anticoronary	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antieczemic	Economic & Medicinal Plant Research, 6: 189.
Antifibrinolytic	Economic & Medicinal Plant Research, 1: 53.
Antigranular	
Antihistaminic	Economic & Medicinal Plant Research, 6: 189.
Antiinflammatory IC50=31 uM	
Antileukotriene-D4 IC50=31 uM	
Antimenorrhagic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antiprostatic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Carcinogenic	Science News, 146: 421.
Comedolytic	
Hepatoprotective	
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Immunomodulator	Economic & Medicinal Plant Research, 6: 189.
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Metastatic	Science News, 146: 421.
Nematicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Propecic	

LINOLENIC-ACID

Seed 32850.0 69150.0 0.63 *

METHYL-DODECANOATE

Hs -- -- *

METHYL-EUGENOL

Hs -- -- *

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	

NONANAL

Hs -- -- *

NONANOIC-ACID		Hs	--	--	*	
Activities (2)						
FLavor FEMA 1-15	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
NONANOL		Hs	--	--	*	
OCTANOIC-ACID		Hs	--	--	*	
Activities (5)						
Candidicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
FLavor FEMA 3-20	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
Fungicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
Perfumery	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
Pesticide						
OCTANOL		Hs	--	--	*	
OLEIC-ACID		Seed	22700.0	62475.0	-0.47	*
Activities (18)						
5-Alpha-Reductase-Inhibitor						
Allergenic						
Alpha-Reductase-Inhibitor						
Anemiagenic						
Antialopecic						
Antiandrogenic						
Antiinflammatory IC50=21 uM						
Antileukotriene-D4 IC50=21 uM						
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.					
Choleretic 5 ml/man						
Dermatitigenic						
FLavor FEMA 1-30	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)					
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.					
Irritant	Merck 11th Edition					
Percutaneostimulant	Seki, T., Toeda, C., Kawaguchi, T., Juni, K., Sugibayashi, K., and Morimoto, Y. 1990. Enhanced Transdermal Delivery of Zidovudine in Rats and Human Skin. Chem. Pharm. Bull. 38(11): 3086-3089, 1990.					
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
Propecic						
PALMITIC-ACID		Seed	9000.0	18250.0	-0.32	*
Activities (13)						
5-Alpha-Reductase-Inhibitor						
Antialopecic						
Antiandrogenic						
Antifibrinolytic	Economic & Medicinal Plant Research, 1: 53.					
Antioxidant IC40=60						
FLavor FEMA 1	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry					
Hemolytic	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.					
Hypercholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)					
Lubricant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
Nematicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.					
Pesticide						
Propecic						
Soap	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.					
PHYTOSTEROL		Seed	--	560.0		*
PROTEIN		Seed	296000.0	374000.0	1.25	*

QUERCETIN-3'-(6-SINAPOYL-O-BETA-D-GLUCOPYRANOSYL)-3,4'-DI-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	--		*
QUERCETIN-3,3',4'-TRI-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	--		*
QUERCETIN-3-(2-SINAPOYL-O-BETA-D-GLUCOPYRANOSYL)-3'-(6-SINAPOYL-O-BETA-D-GLUCOPYRANOSYL)-4'-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	--		*
SITOSTEROL	Seed	--	500.0		*
STEARIC-ACID	Seed	2900.0	6600.0	-0.42	*

Activities (8)

5-Alpha-Reductase-Inhibitor

Cosmetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
FLavor FEMA 2-4,000	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
Lubricant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Propepic	
Suppository	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

TETRAHYDROTHIOPHENE	Hs	--	--		*
TRANS,TRANS-2,4-HEPTADIENAL	Hs	--	--		*
TRANS-2-HEXENAL	Hs	--	--		*

Activities (4)

FLavor FEMA 0.7-20	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Paramecicide	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pesticide	
Prosticide	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

TRANS-2-NONENAL	Hs	--	--		*
TRANS-HEXEN-1-OL	Hs	--	--		*
UNDECANAL	Hs	--	--		*

Activities (2)

FLavor FEMA 1-60	
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry