

List of All Chemicals

P Curcuma zedoaria (Zingiberaceae)

Common name(s)

Zedoary; Shoti

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
1,4-CINEOLE	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
1,8-CINEOLE	Rhizome	902.0	1920.0	-0.59	*

Activities (67)

(-)-Chronotropic 87 n/ml	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.
(-)-Inotropic 87 n/ml	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.
Acaricide LC100=6 uM	
Allelopathic	
Allergenic	
Anesthetic	
Anthelmintic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiacetylcholinesterase IC50=41 ug/ml	
Antiallergic	J. Food Hyg. Soc. Jap. 33(6): 569.
Antibacterial 50 ppm	
Antibronchitic	
Anticariogenic	
Anticatarrh	Martindale's 29th
Anticholinesterase IC50=50-70	
Antifatigue	
Antihalitosis	American Health, 12(4): 17, 1993.
Antiinflammatory	
Antilaryngitic	
Antinociceptive	
Antipharyngitic	
Antiplaque	
Antirheumatic	
Antirhinitic	
Antiseptic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antisinusitic	
Antispasmodic	
Antistaphylococcic 50 ppm	
Antitussive	
Antiulcer	
CNS-Stimulant	
Candidicide	
Carcinogenic	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.
Choleretic	
Convulsant	
Counterirritant	Martindale's 29th
Cytochrome-P450-Inducer	
Decongestant	
Degranulant 0.3 ul/ml	
Dentifrice	Martindale's 29th

Edemagenic inj	
Expectorant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
FLavor FEMA 1-200	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Fungicide	
Gastroprotective	
Gram(+)-icide	
Gram(-)-icide	
Hepatotonic	
Herbicide IC50=78 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.
Hypotensive	
Inflammatory inj	
Insectifuge	
Irritant	Rinzler, C. A. 1990. The Complete Book of Herbs, Spices and Condiments. Facts on File, New York. 199 pp.
Myorelaxant	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Nematicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Neurotoxic	
P450-Inducer	
Pediculicide 2.3 x pyrethrin	
Perfume	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Pesticide	
Rubefacient	Martindale's 29th
Secretogogue	
Sedative	
Spasmogenic	
Surfactant	
Testosterone-Hydroxylase-Inducer	
Transdermal	
Trichomonicide LD100=1,000 ug/ml	

ALPHA-PINENE

Rhizome -- --

Chemical Constituents of Oriental Herbs (3 diff. books)

Activities (28)

Allelochemic	
Allergenic	
Antiacne	
Antibacterial	
Antifeedant	
Antiflu	Economic & Medicinal Plant Research, 5: 195.
Antiinflammatory 500 mg/kg	
Antipneumonic	
Antiseptic	
Antispasmodic	
Antistaphylococcic	
Antiviral	Economic & Medicinal Plant Research, 5: 195.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Coleoptophile	
Expectorant	Michael Castleman 1991. The Healing Herbs. Rodale Press, Emmaus, PA 436 pp.
FLavor FEMA 15-150	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Herbicide IC50=30 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.
Insecticide 0.82 uM/fly	
Insectifuge 50 ppm	
Insectiphile	J. Stored. Prod. Res., 22:141, 1986.
Irritant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
P450-2B1-Inhibitor IC50=0.087 uM	
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Pesticide	
Sedative	Lawrence Review of Natural Products, Jun-90.
Spasmogenic	
Tranquilizer	Lawrence Review of Natural Products, Jun-90.
Transdermal	

AMYLOSE	Tuber	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
BIS-DESMETHOXYCURCUMIN	Rhizome	--	1000.0	-1.0	*
Activities (5)					
Antialzheimeran 0.5-10 ug/ml					
Anti amyloid-Beta 0.5-10 ug/ml					
Antiangiogenic					
Anticholeretic	HerbalGram No. 17.				
Antiinflammatory	Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.				
BISMETHOXYCURCUMIN	Rhizome	--	--		*
CURCULONE	Rhizome	--	--		*
CURCUMADIOL	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
CURCUMANOLIDE-A	Rhizome	--	--		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.
CURCUMANOLIDE-B	Rhizome	--	--		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.
CURCUMENOL	Rhizome	--	--		*
Activities (3)					
Anticancer	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
Antitumor	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
Emetic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
CURCUMENONE	Rhizome	--	--		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.
CURCUMIN	Rhizome	--	1000.0	-0.89	*
Activities (135)					
12-Lipoxygenase-Inhibitor					
5-Alpha-Reductase-Inhibitor					
5-HETE-Inhibitor IC50=3-10 uM					
5-Lipoxygenase-Inhibitor					
8-HETE-Inhibitor IC40=3 uM					
AntiCrohn's					
AntiEBV IC50=5.4 uM					
AntiHIV IC50=40 uM					
Antiadenomacarcinogenic 50-200 mg/kg ipr rat					
Antiaflatoxin IC50=81 uM					
Antiaggregant					
Antialzheimeran 0.5-10 ug/ml					
Anti amyloid-Beta 0.5-10 ug/ml					
Antiangiogenic					
Antiarachidonate					
Antiarthritic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Antiasthmatic					
Antiatherosclerotic 0.4-20 mg/kg/day					
Antibacterial	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.				
Antibronchitic					
Anticancer					
Anticancer (Breast)					
Anticancer (Colon)					
Anticancer (Duodenum)					
Anticancer (Mammary) 50-200 mg/kg ipr rat					
Anticancer (Skin)					
Anticancer (Stomach)					
Anticarcinogenic					

Anticataract 75 mg/kg orl rat	
Anticholecystolic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).
Anticolitic	
Anticollagenic	
Antieczemic	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Antiedemic ED50=100.2 mg/kg orl mus (cf 78 for cortisone)	
Antiedemic ED50=48 mg/kg orl rat (cf 45 for cortisone)	
Antiedemic ED50=48 mg/kg orl rat (cf 48 for phenylbutazone)	
Antieicosanoid	
Antihepatotic	
Antiinflammatory 1,200 mg/man/day	
Antiinflammatory 1 uM	
Antiintegrase 40-150 uM	
Antiischemic	
Antileishmanic IC50=7.8 ug/ml	
Antileukemic	
Antileukotriene 170 mg/kg orl rat	
Antilipoperoxidant	
Antilithic 0.5% diet	
Antilymphomic 0.4 mg/ml	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Antilymphomic 4 ug/ml	Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livinston, Edinburgh.
Antimelanomic 200 nM/kg orl mus	
Antimetastatic 200 nM/kg orl mus	
Antimutagenic	
Antinitrosaminic	
Antioxidant 1/3 BHA	
Antioxidant IC50=500 uM	
Antipapillomic	
Antiperoxidant	
Antiproliferant IC50=13 uM	
Antiprostaglandin 8.8 uM	
Antipsoriatic	
Antispasmodic	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Antithrombotic	
Antithromboxane	
Antitumor	
Antitumor (Colon)	
Antitumor (Liver) 10 uM	
Antitumor-Promoter IC91=10 uM	
Antiulcer orl rat	
Antiviral IC50=5.4 uM	
Apoptotic 150-2,000 ppm (diet) orl rat	
Apoptotic 30-90 uM	
COX-2-Inhibitor 10-20 uM	
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Cardiodepressant	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Chelator IC50=500 uM	
Chelator Iron	
Chemopreventive	
Cholagogue	
Choleretic	HerbalGram No. 24, page 37.
Cyclooxygenase-Inhibitor	
Cytochrome-P450-Inhibitor	Pizzorno, J. 1998. Total Wellness. Prima Health, a division of Prima.
Cytotoxic 0.4-4 mg/ml	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cytotoxic IC50=1 ug/ml	
Cytotoxic IC50=25 uM	
DNA-Protective	
Deodorant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Detoxicant	
Dye	Merck 11th Edition
Expectorant 100 uM	

Activities (6)						
AntiX-Radiation	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.					
Anticancer (Cervix)	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.					
Antileukopenic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.					
Antisarcomic						
Antitumor						
Antitumor (Cervix)	Medicinal and Poisonous Plants of the Tropics. Leeuwenberg, A.J.M., ed. Pudoc, Wageningen. 1987.					
CURZERENONE	Rhizome	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
D-ALPHA-PINENE	Rhizome	141.0	300.0			ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
D-BORNEOL	Rhizome	141.0	300.0	-1.0	*	
Activities (4)						
Convulsant	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.					
Emetic	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.					
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.					
Perfume	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.					
D-CAMPHENE	Rhizome	329.0	700.0	1.0	*	
D-CAMPHOR	Rhizome	395.0	840.0	-1.05	*	
DEHYDROCURDIONE	Rhizome	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
Activities (8)						
Analgesic 40-200 mg/kg						
Antiarthritic 120 mg/kg/day/12 days						
Antiedemic 200 mg/kg						
Antiinflammatory						
Antioxidant						
Antipyretic						
Antiradicular 100-5,000 uM						
Calcium-Channel-Blocker 0.1-1 mM						
DESMETHOXYCURCUMIN	Rhizome	--	1000.0	-1.07	*	
DI-P-COUMAROYL-METHANE	Root	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
Activities (2)						
Cytotoxic	Chemical Constituents of Oriental Herbs (3 diff. books)					
Hepatoprotective	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.					
DIFERULOYL-METHANE	Root	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
Activities (1)						
Cytotoxic	Chemical Constituents of Oriental Herbs (3 diff. books)					
ENT-CURZERENONE	Plant	--	--			J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
EO	Rhizome	10000.0	15000.0	-0.46	*	
EPICURZERENONE	Rhizome	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
ETHYL-P-METHOXYCINNAMATE	Rhizome	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
Activities (2)						
Fungicide	Chemical Constituents of Oriental Herbs (3 diff. books)					
Pesticide						
FERULOYL-P-COUMAROYL-METHANE	Root	--	--			Chemical Constituents of Oriental Herbs (3 diff. books)
Activities (1)						
Cytotoxic	Chemical Constituents of Oriental Herbs (3 diff. books)					

FURANODIENE	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
FURANODIENONE	Rhizome	--	--	*
GERMACRONE-4,5-EPOXIDE	Rhizome	--	--	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.
ISOCURCUMENOL	Rhizome	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
ISOCURZERENONE	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
ISOFURANODIENONE	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
ISOFURANOGERMACRENE	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
MUCILAGE	Rhizome	--	--	*
Activities (3)				
Cancer-Preventive Demulcent Hypocholesterolemic	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
P,P'-DIHYDROXYDICINNAMYOLMETHANE	Rhizome	--	--	*
P-HYDROXYCINNAMOYLFERULOYLMETHANE	Rhizome	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Activities (1)				
Anticoagulant				
PP'-DIHYDROXYDICINAMOYLMETHANE	Rhizome	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Activities (1)				
Anticoagulant				
PROCURCUMENOL	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
Activities (2)				
AntiTNF Antiinflammatory				
PYROCURCUMENONE	Rhizome	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
PYROCURZERENONE	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
RESIN	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
SESQUITERPENE-ALCOHOLS	Rhizome	4800.0	9600.0	*
SESQUITERPENES	Rhizome	1000.0	2000.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
STARCH	Rhizome	--	500000.0 0.42	*
Activities (5)				
Absorbent	Martindale's 29th			
Antidote (Iodine)	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antinesidioblastotic	Martindale's 29th			
Emollient	Martindale's 29th			
Poultice	Martindale's 29th			
ZEDERONE	Rhizome	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
ZEDOARONE	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
ZINGIBERENE	Rhizome	--	--	*

Activities (6)

Antirhinoviral	Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livinston, Edinburgh.
Antiulcer IC54=100 mg/kg	
Carminative	
Insecticide	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.
Perfumery	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
Pesticide	