

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Murraya koenigii*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(E)-BETA-OCIMENE	Leaf		40.0	1.504389132845184	--
0	(E,E)-2,4-HEPTADIENAL	Leaf		0.1	-1.0000000000000002	--
0	(Z)-2-HEXENAL	Leaf		0.1		--
0	(Z)-2-PENTENOL	Leaf		0.1		--
0	(Z)-3-HEXENOL	Leaf		5.0	-0.04408444144618529	--
0	(Z)-3-HEXENYL-ACETATE	Leaf		0.1		--
0	(Z)-3-HEXENYL-BUTANOATE	Leaf		0.1		--
0	1,2,4-TRIMETHYL-BENZENE	Leaf		0.1		--
0	1-METHYL-2-(2-PROPENYL)-BENZENE	Leaf		2.0		--
1	2,3-DIHYDROBENZOFURAN	Leaf		2.0		--
0	2-ACETYL-FURAN	Leaf		0.1		--
0	2-ETHYL-4-METHYLMALIMIDE	Leaf		0.1		--
0	2-FURANCARBOXALDEHYDE	Leaf		2.0		--
0	2-HYDROXY-6-METHYLCARBAZOLE	Leaf				=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
0	2-METHYL-BUTANAL	Plant				--
2	2-NONANONE	Leaf		0.1	-0.9999999999999999	--
0	2-OCTANONE	Leaf		0.1		--
0	3-(1,1-DIMETHYLALLYL)-XANTHYLETIN	Bark				--
0	3-METHYL-BUT-2-EN-1-OL	Leaf		0.1		--
0	3-METHYLCARBAZOLE	Root				Abstract (See species file)
0	6-METHYLHEP-5-EN-2-ONE	Leaf		0.1		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	9-CARBETHOXY-3-METHYLCARBAZOLE	Root				Abstract (See species file)
0	9-FORMYL-3-METHYLCARBAZOLE	Root				Abstract (See species file)
0	ALPHA-COPAENE	Leaf		0.1	-0.35571488851770644	--
0	ALPHA-CUBEBENE	Plant				--
2	ALPHA-HUMULENE	Leaf		14.0	-0.444295299514232	--
11	ALPHA-PHELLANDRENE	Leaf	23.0	6240.0	4.110948296184419	--
28	ALPHA-PINENE	Leaf	0.0	9880.0	0.41691000636146197	--
3	ALPHA-SELINENE	Leaf		25.0	-0.2926518261309644	--
13	ALPHA-TERPINENE	Leaf		65.0	-0.2787745705152762	--
23	ALPHA-TERPINEOL	Leaf		37.0	-0.5252992533925488	--
0	ALPHA-THUJENE	Leaf		37.0	-0.24737281674281325	--
3	AROMADENDRENE	Leaf		2.0	-0.618805663671702	--
112	ASCORBIC-ACID	Leaf	40.0	445.0	-0.4026297674379776	--
0	ASH	Leaf	15000.0	125000.0	0.1083256335033256	--
2	ASPARAGINE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
24	BENZALDEHYDE	Leaf		0.1	-0.4690464374285412	--
26	BERGAPTEN	Seed		12.0	-0.8818833479288075	--
6	BETA-BISABOLENE	Leaf		0.0	-0.4289453118130919	--
53	BETA-CAROTENE	Leaf	60.0	225.0	-0.15807618341196314	--
0	BETA-CARYOPHYLLENE	Leaf	23.0	7540.0	3.356893908580301	--
5	BETA-ELEMENE	Leaf	5.0	155.0	0.3941412911960524	--
0	BETA-GURJUNENE	Leaf	0.0	5460.0	2.2357601317561797	--
3	BETA-PHELLANDRENE	Leaf	140.0	560.0	0.8732136284479584	--
13	BETA-PINENE	Leaf		85.0	-0.3037553772094136	--
3	BETA-SELINENE	Leaf		0.1	-0.523647805084174	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-THUJENE	Plant				--
0	BICYCLOMAHANIMBENE	Plant				--
0	BICYCLOMAHANIMBICINE	Plant				--
0	BICYCLOMAHANIMBICINE	Leaf				=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
0	BICYCLOMAHANIMBINE	Leaf				=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
12	BORNYL-ACETATE	Leaf		0.1	-0.4100994792324055	--
4	CADINENE	Leaf		4730.0	1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CADINOL	Leaf		3330.0	1.4142027531663075	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CADVIROL	Leaf				=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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	CALCIUM	Leaf	8100.0	30035.0	0.7924516881433465	--
9	CAMPHENE	Leaf		5.0	-0.19080294405308876	--
0	CARBAZOLE	Plant				--
0	CARBOHYDRATES	Leaf	141000.0	665000.0	0.422684143085375	--
37	CARVACROL	Leaf		0.1	-0.5962346722715234	--
31	CARYOPHYLLENE	Leaf		6840.0	3.1471993644672898	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CIS-JASMONE	Leaf		2.0	-0.8522269507270197	--
0	CIS-LINALOOL-OXIDE	Leaf		0.1	-0.7256131529794739	--
0	CIS-SABINENE-HYDRATE	Leaf		12.0	-0.31594152750356486	--
0	CIS-SABINOL	Leaf		0.1	1.0000000000000002	--
0	CURRYANGIN	Bark				=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
0	CURRYANGINE	Plant				--
0	CURRYANIN	Bark				=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
0	CURRYANINE	Plant				--
0	CYCLOMAHANIMBENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CYCLOMAHANIMBINE	Plant				=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
0	D-ALPHA-PINENE	Leaf		1430.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	D-ALPHA-TERPINEOL	Leaf		830.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	D-SABINENE	Leaf		2390.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	DELTA-CADINENE	Leaf		14.0	-0.4031370360022197	--
7	DIPENTENE	Leaf		1770.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	EO	Leaf	2300.0	26000.0	1.272335920147473	--
0	ETHYLBENZENE	Leaf		0.1		--
0	FAT	Leaf	10000.0	63000.0	0.1302791389536896	--
15	FIBER	Leaf	64000.0	190000.0	0.352003352366896	--
22	GABA	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GAMMA-CADINENE	Leaf		0.0	-0.4883051358801179	--
0	GAMMA-ELEMENE	Leaf	0.0	230.0	1.8562466903958217	--
11	GAMMA-TERPINENE	Leaf		115.0	-0.15018994823601897	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GIRINIMBINE	Bark				=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
0	GLUBULOL	Leaf		2.0		--
3	HEXANOL	Leaf		0.1	-0.6009262258474473	--
6	IRON	Leaf	30.0	115.0	-0.6290833254574307	--
0	ISOHERACLENIN	Seed		6.4		--
8	ISOIMPERATORIN	Seed		21.0	-1.0	--
0	ISOMAHANIMBENE	Plant				--
0	ISOMAHANIMBINE	Leaf				=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
15	ISOPIMPINELLIN	Seed		7.0	1.0	--
3	ISOSAFROLE	Leaf	0.0	1145.0	1.0	--
0	KILOCALORIES	Leaf	880.0	3260.0	0.3899503492154586	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KOENIGICINE	Leaf				=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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KOENIGICINE	Plant				--
0	KOENIGINE	Leaf				=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
0	KOENIGINE	Plant				--
0	KOENIMBIDINE	Leaf				=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
0	KOENIMBINE	Plant				--
0	KOENIMBINE	Leaf				=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
0	KOENINE	Plant				--
0	KOENINE	Leaf				=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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	LAURIC-ACID	Leaf		700.0	1.1951153614758205	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	LAVANDULYL-ACETATE	Leaf		20.0		--
60	LIMONENE	Leaf		115.0	-0.32680414001148905	--
53	LINALOOL	Leaf		14.0	-0.6377490212124352	--
0	MAHANIMBENE	Plant				--
0	MAHANIMBICINE	Leaf				=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
0	MAHANIMBICINE	Plant				--
0	MAHANIMBIDENE	Plant				--
1	MAHANIMBINE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	MAHANIMBININE	Leaf				=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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MAHANIMBOLINE	Root				=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
1	MAHANINE	Plant				--
1	MAHANINE	Leaf				=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
21	METHYL-SALICYLATE	Leaf		0.1	-0.7215595738818176	--
0	MUKANOL	Bark				=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
0	MUKOEIC-ACID	Bark				=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
0	MUKONICINE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MUKONICINE	Leaf				=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
0	MUKONINE	Bark				=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
0	MURRAYACINE	Bark				=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
0	MURRAYACININE	Bark				=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

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0	MURRAYANINE	Leaf				=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
0	MURRAYANINE	Bark				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	MURRAYAZOLIDINE	Bark				=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
0	MURRAYAZOLINE	Bark				=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
0	MURRAYAZOLININE	Bark				=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

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22	MYRCENE	Leaf		53.0	-0.15355035997883854	--
0	NAPHTHALENE	Leaf		9.0		--
11	NEROLIDOL	Leaf		2.0	-0.7169278666603546	--
5	NERYL-ACETATE	Leaf		0.1	-1.6643472224031552	--
39	NIACIN	Leaf	23.0	85.0	-0.15205422255204007	--
5	ORNITHINE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	OXALATES	Leaf		13500.0	-0.40633330847471666	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	OXALIC-ACID	Leaf		1320.0	-0.43744803439189367	=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
6	OXYPEUCEDANIN	Seed		3.0	-1.0	--
0	P-CYMEN-8-OL	Leaf		0.1	-0.8507315974280412	--
16	P-CYMENE	Leaf		23.0	-0.3810051616116405	--
0	P-VINYL-GUAIACOL	Leaf		2.0		--
13	PALMITIC-ACID	Leaf		885.0	-0.3738330872895457	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	PHOSPHORUS	Leaf	6000.0	17800.0	2.36028529742043	--
14	POTASSIUM	Twig				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Leaf		8000.0	-0.9866644832416266	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PROTEIN	Leaf	61000.0	359000.0	1.4680128172976137	--
15	RIBOFLAVIN	Leaf	0.0	8.0	-0.14036163828851098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Leaf	0.0	11700.0	7.193324434727864	--
3	SCOPOLIN	Leaf				=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
0	SPATHULENOL	Leaf		5.0	-0.7413753072842936	--
23	TERPINEN-4-OL	Leaf		140.0	-0.26038381343088834	--
9	TERPINOLENE	Leaf		25.0	-0.20024773699623308	--
31	THIAMIN	Leaf	0.0	3.0	-1.1055108200879633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TRANS-LINALOOL-OXIDE	Leaf		2.0	-1.292977275547167	--
0	TRANS-SABINENE-HYDRATE	Leaf		9.0	-0.5289186239817404	--
0	WATER	Leaf	663000.0	730000.0	-0.38733298355171886	--
0	XYLENE	Leaf		0.1		--