

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	BICYCLOMAHANIMBICINE	Plant				--
0	MAHANIMBENE	Plant				--
0	CURRYANGINE	Plant				--
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
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	2-METHYL-BUTANAL	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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	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	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	KOENIGINE	Plant				--
0	BICYCLOMAHANIMBENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	ALPHA-CUBEBENE	Plant				--
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	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
22	GABA	Leaf				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
1	MAHANINE	Plant				--
0	KOENIGICINE	Plant				--
0	3-(1,1-DIMETHYLALLYL)-XANTHYLETIN	Bark				--
0	MUKONICINE	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
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	9-FORMYL-3-METHYLCARBAZOLE	Root				Abstract (See species file)
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
2	ASPARAGINE	Leaf				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	Twig				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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	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
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
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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	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	KOENINE	Plant				--
5	ORNITHINE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	MAHANIMBIDENE	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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	CYCLOMAHANIMBENE	Plant				--
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	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
0	BETA-THUJENE	Plant				--
0	MAHANIMBICINE	Plant				--
0	ISOMAHANIMBENE	Plant				--
0	CURRYANINE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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
0	9-CARBETHOXY-3-METHYLCARBAZOLE	Root				Abstract (See species file)
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
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



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	KOENIMBINE	Plant				--
0	CARBAZOLE	Plant				--
0	3-METHYLCARBAZOLE	Root				Abstract (See species file)
0	GAMMA-CADINENE	Leaf		0.0	-0.4883051358801179	--
6	BETA-BISABOLENE	Leaf		0.0	-0.4289453118130919	--
2	2-NONANONE	Leaf		0.1	-0.9999999999999999	--
0	3-METHYL-BUT-2-EN-1-OL	Leaf		0.1		--
0	CIS-LINALOOL-OXIDE	Leaf		0.1	-0.7256131529794739	--
5	NERYL-ACETATE	Leaf		0.1	-1.6643472224031552	--
0	(Z)-2-PENTENOL	Leaf		0.1		--
0	ALPHA-COPAENE	Leaf		0.1	-0.35571488851770644	--
0	XYLENE	Leaf		0.1		--
24	BENZALDEHYDE	Leaf		0.1	-0.4690464374285412	--
0	(Z)-3-HEXENYL-BUTANOATE	Leaf		0.1		--
0	P-CYMEN-8-OL	Leaf		0.1	-0.8507315974280412	--
0	(Z)-3-HEXENYL-ACETATE	Leaf		0.1		--
3	BETA-SELINENE	Leaf		0.1	-0.523647805084174	--
37	CARVACROL	Leaf		0.1	-0.5962346722715234	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,2,4-TRIMETHYL-BENZENE	Leaf		0.1		--
0	(Z)-2-HEXENAL	Leaf		0.1		--
21	METHYL-SALICYLATE	Leaf		0.1	-0.7215595738818176	--
12	BORNYL-ACETATE	Leaf		0.1	-0.4100994792324055	--
0	2-ETHYL-4-METHYLMALDEIMIDE	Leaf		0.1		--
3	HEXANOL	Leaf		0.1	-0.6009262258474473	--
0	2-OCTANONE	Leaf		0.1		--
0	ETHYLBENZENE	Leaf		0.1		--
0	CIS-SABINOL	Leaf		0.1	1.0000000000000002	--
0	2-ACETYL-FURAN	Leaf		0.1		--
0	(E,E)-2,4-HEPTADIENAL	Leaf		0.1	-1.0000000000000002	--
0	6-METHYLHEP-5-EN-2-ONE	Leaf		0.1		--
0	GLUBULOL	Leaf		2.0		--
0	TRANS-LINALOOL-OXIDE	Leaf		2.0	-1.292977275547167	--
11	NEROLIDOL	Leaf		2.0	-0.7169278666603546	--
0	2-FURANCARBOXALDEHYDE	Leaf		2.0		--
1	2,3-DIHYDROBENZOFURAN	Leaf		2.0		--
0	CIS-JASMONE	Leaf		2.0	-0.8522269507270197	--
0	P-VINYL-GUAIACOL	Leaf		2.0		--
3	AROMADENDRENE	Leaf		2.0	-0.618805663671702	--
0	1-METHYL-2-(2-PROPENYL)-BENZENE	Leaf		2.0		--
6	OXYPEUCEDANIN	Seed		3.0	-1.0	--
31	THIAMIN	Leaf	0.0	3.0	-1.1055108200879633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	CAMPHENE	Leaf		5.0	-0.19080294405308876	--
0	(Z)-3-HEXENOL	Leaf		5.0	-0.04408444144618529	--
0	SPATHULENOL	Leaf		5.0	-0.7413753072842936	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOHERACLENIN	Seed		6.4		--
15	ISOPIMPINELLIN	Seed		7.0	1.0	--
15	RIBOFLAVIN	Leaf	0.0	8.0	-0.14036163828851098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	NAPHTHALENE	Leaf		9.0		--
0	TRANS-SABINENE-HYDRATE	Leaf		9.0	-0.5289186239817404	--
0	CIS-SABINENE-HYDRATE	Leaf		12.0	-0.31594152750356486	--
26	BERGAPTEN	Seed		12.0	-0.8818833479288075	--
53	LINALOOL	Leaf		14.0	-0.6377490212124352	--
2	ALPHA-HUMULENE	Leaf		14.0	-0.444295299514232	--
9	DELTA-CADINENE	Leaf		14.0	-0.4031370360022197	--
0	LAVANDULYL-ACETATE	Leaf		20.0		--
8	ISOIMPERATORIN	Seed		21.0	-1.0	--
16	P-CYMENE	Leaf		23.0	-0.3810051616116405	--
9	TERPINOLENE	Leaf		25.0	-0.20024773699623308	--
3	ALPHA-SELINENE	Leaf		25.0	-0.2926518261309644	--
23	ALPHA-TERPINEOL	Leaf		37.0	-0.5252992533925488	--
0	ALPHA-THUJENE	Leaf		37.0	-0.24737281674281325	--
0	(E)-BETA-OCIMENE	Leaf		40.0	1.504389132845184	--
22	MYRCENE	Leaf		53.0	-0.15355035997883854	--
13	ALPHA-TERPINENE	Leaf		65.0	-0.2787745705152762	--
39	NIACIN	Leaf	23.0	85.0	-0.15205422255204007	--
13	BETA-PINENE	Leaf		85.0	-0.3037553772094136	--
6	IRON	Leaf	30.0	115.0	-0.6290833254574307	--
60	LIMONENE	Leaf		115.0	-0.32680414001148905	--
11	GAMMA-TERPINENE	Leaf		115.0	-0.15018994823601897	--
23	TERPINEN-4-OL	Leaf		140.0	-0.26038381343088834	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	BETA-ELEMENE	Leaf	5.0	155.0	0.3941412911960524	--
53	BETA-CAROTENE	Leaf	60.0	225.0	-0.15807618341196314	--
0	GAMMA-ELEMENE	Leaf	0.0	230.0	1.8562466903958217	--
112	ASCORBIC-ACID	Leaf	40.0	445.0	-0.4026297674379776	--
3	BETA-PHELLANDRENE	Leaf	140.0	560.0	0.8732136284479584	--
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	D-ALPHA-TERPINEOL	Leaf		830.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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.
3	ISOSAFROLE	Leaf	0.0	1145.0	1.0	--
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
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.
7	DIPENTENE	Leaf		1770.0		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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KILOCALORIES	Leaf	880.0	3260.0	0.3899503492154586	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
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	BETA-GURJUNENE	Leaf	0.0	5460.0	2.2357601317561797	--
11	ALPHA-PHELLANDRENE	Leaf	23.0	6240.0	4.110948296184419	--
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	BETA-CARYOPHYLLENE	Leaf	23.0	7540.0	3.356893908580301	--
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.
28	ALPHA-PINENE	Leaf	0.0	9880.0	0.41691000636146197	--
5	SABINENE	Leaf	0.0	11700.0	7.193324434727864	--
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.
4	PHOSPHORUS	Leaf	6000.0	17800.0	2.36028529742043	--
0	EO	Leaf	2300.0	26000.0	1.272335920147473	--
28	CALCIUM	Leaf	8100.0	30035.0	0.7924516881433465	--
0	FAT	Leaf	10000.0	63000.0	0.1302791389536896	--
0	ASH	Leaf	15000.0	125000.0	0.1083256335033256	--
15	FIBER	Leaf	64000.0	190000.0	0.352003352366896	--
0	PROTEIN	Leaf	61000.0	359000.0	1.4680128172976137	--
0	CARBOHYDRATES	Leaf	141000.0	665000.0	0.422684143085375	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Leaf	663000.0	730000.0	-0.38733298355171886	--