

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	WATER	Leaf	663000.0	730000.0	-0.38733298355171886	--
0	CARBOHYDRATES	Leaf	141000.0	665000.0	0.422684143085375	--
15	FIBER	Leaf	64000.0	190000.0	0.352003352366896	--
0	PROTEIN	Leaf	61000.0	359000.0	1.4680128172976137	--
0	ASH	Leaf	15000.0	125000.0	0.1083256335033256	--
0	FAT	Leaf	10000.0	63000.0	0.1302791389536896	--
28	CALCIUM	Leaf	8100.0	30035.0	0.7924516881433465	--
4	PHOSPHORUS	Leaf	6000.0	17800.0	2.36028529742043	--
0	EO	Leaf	2300.0	26000.0	1.272335920147473	--
0	KILOCALORIES	Leaf	880.0	3260.0	0.3899503492154586	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	BETA-PHELLANDRENE	Leaf	140.0	560.0	0.8732136284479584	--
53	BETA-CAROTENE	Leaf	60.0	225.0	-0.15807618341196314	--
112	ASCORBIC-ACID	Leaf	40.0	445.0	-0.4026297674379776	--
6	IRON	Leaf	30.0	115.0	-0.6290833254574307	--
0	BETA-CARYOPHYLLENE	Leaf	23.0	7540.0	3.356893908580301	--
39	NIACIN	Leaf	23.0	85.0	-0.15205422255204007	--
11	ALPHA-PHELLANDRENE	Leaf	23.0	6240.0	4.110948296184419	--
5	BETA-ELEMENE	Leaf	5.0	155.0	0.3941412911960524	--
31	THIAMIN	Leaf	0.0	3.0	-1.1055108200879633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ISOSAFROLE	Leaf	0.0	1145.0	1.0	--
28	ALPHA-PINENE	Leaf	0.0	9880.0	0.41691000636146197	--
5	SABINENE	Leaf	0.0	11700.0	7.193324434727864	--
0	BETA-GURJUNENE	Leaf	0.0	5460.0	2.2357601317561797	--
0	GAMMA-ELEMENE	Leaf	0.0	230.0	1.8562466903958217	--
15	RIBOFLAVIN	Leaf	0.0	8.0	-0.14036163828851098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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.
22	GABA	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	BETA-THUJENE	Plant				--
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	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
0	KOENIGICINE	Plant				--
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	3-(1,1-DIMETHYLALLYL)-XANTHYLETIN	Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
26	BERGAPTEN	Seed		12.0	-0.8818833479288075	--
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.
3	BETA-SELINENE	Leaf		0.1	-0.523647805084174	--
2	ALPHA-HUMULENE	Leaf		14.0	-0.444295299514232	--
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	ALPHA-COPAENE	Leaf		0.1	-0.35571488851770644	--
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	2-FURANCARBOXALDEHYDE	Leaf		2.0		--
0	ALPHA-THUJENE	Leaf		37.0	-0.24737281674281325	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	OXALATES	Leaf		13500.0	-0.40633330847471666	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	2,3-DIHYDROBENZOFURAN	Leaf		2.0		--
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.
24	BENZALDEHYDE	Leaf		0.1	-0.4690464374285412	--
3	ALPHA-SELINENE	Leaf		25.0	-0.2926518261309644	--
0	(Z)-3-HEXENYL-BUTANOATE	Leaf		0.1		--
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				--
13	BETA-PINENE	Leaf		85.0	-0.3037553772094136	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	9-FORMYL-3-METHYLCARBAZOLE	Root				Abstract (See species file)
21	METHYL-SALICYLATE	Leaf		0.1	-0.7215595738818176	--
0	GAMMA-CADINENE	Leaf		0.0	-0.4883051358801179	--
0	CIS-JASMONE	Leaf		2.0	-0.8522269507270197	--
5	ORNITHINE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	P-CYMEN-8-OL	Leaf		0.1	-0.8507315974280412	--
0	MAHANIMBIDENE	Plant				--
2	ASPARAGINE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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	(Z)-3-HEXENYL-ACETATE	Leaf		0.1		--
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
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	D-ALPHA-PINENE	Leaf		1430.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	TERPINOLENE	Leaf		25.0	-0.20024773699623308	--
0	1-METHYL-2-(2-PROPENYL)-BENZENE	Leaf		2.0		--
9	DELTA-CADINENE	Leaf		14.0	-0.4031370360022197	--
0	2-OCTANONE	Leaf		0.1		--
16	P-CYMENE	Leaf		23.0	-0.3810051616116405	--
0	MAHANIMBICINE	Plant				--
0	CIS-SABINOL	Leaf		0.1	1.0000000000000002	--
0	(Z)-3-HEXENOL	Leaf		5.0	-0.04408444144618529	--
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
37	CARVACROL	Leaf		0.1	-0.5962346722715234	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	6-METHYLHEP-5-EN-2-ONE	Leaf		0.1		--
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	(E)-BETA-OCIMENE	Leaf		40.0	1.504389132845184	--
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	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
15	ISOPIMPINELLIN	Seed		7.0	1.0	--
0	TRANS-SABINENE-HYDRATE	Leaf		9.0	-0.5289186239817404	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(Z)-2-HEXENAL	Leaf		0.1		--
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	2-ETHYL-4-METHYLMALIMIDE	Leaf		0.1		--
23	ALPHA-TERPINEOL	Leaf		37.0	-0.5252992533925488	--
0	3-METHYLCARBAZOLE	Root				Abstract (See species file)
12	BORNYL-ACETATE	Leaf		0.1	-0.4100994792324055	--
2	2-NONANONE	Leaf		0.1	-0.9999999999999999	--
0	CYCLOMAHANIMBENE	Plant				--
0	MAHANIMBENE	Plant				--
3	AROMADENDRENE	Leaf		2.0	-0.618805663671702	--
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
0	CIS-SABINENE-HYDRATE	Leaf		12.0	-0.31594152750356486	--
3	HEXANOL	Leaf		0.1	-0.6009262258474473	--
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	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	ETHYLBENZENE	Leaf		0.1		--
23	TERPINEN-4-OL	Leaf		140.0	-0.26038381343088834	--
0	2-METHYL-BUTANAL	Plant				--
6	BETA-BISABOLENE	Leaf		0.0	-0.4289453118130919	--
0	CURRYANINE	Plant				--
0	TRANS-LINALOOL-OXIDE	Leaf		2.0	-1.292977275547167	--
0	2-ACETYL-FURAN	Leaf		0.1		--
0	ISOMAHANIMBENE	Plant				--
0	D-SABINENE	Leaf		2390.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	(E,E)-2,4-HEPTADIENAL	Leaf		0.1	-1.0000000000000002	--
0	XYLENE	Leaf		0.1		--
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	9-CARBETHOXY-3-METHYLCARBAZOLE	Root				Abstract (See species file)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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
11	GAMMA-TERPINENE	Leaf		115.0	-0.15018994823601897	--
0	3-METHYL-BUT-2-EN-1-OL	Leaf		0.1		--
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	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	CIS-LINALOOL-OXIDE	Leaf		0.1	-0.7256131529794739	--
8	ISOIMPERATORIN	Seed		21.0	-1.0	--
5	NERYL-ACETATE	Leaf		0.1	-1.6643472224031552	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	CARBAZOLE	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	(Z)-2-PENTENOL	Leaf		0.1		--
13	ALPHA-TERPINENE	Leaf		65.0	-0.2787745705152762	--
1	MAHANINE	Plant				--
0	BICYCLOMAHANIMBICINE	Plant				--
53	LINALOOL	Leaf		14.0	-0.6377490212124352	--
0	ISOHERACLENIN	Seed		6.4		--
11	NEROLIDOL	Leaf		2.0	-0.7169278666603546	--
0	CURRYANGINE	Plant				--
0	GLUBULOL	Leaf		2.0		--
0	P-VINYL-GUAIACOL	Leaf		2.0		--
0	MUKONICINE	Plant				--
9	CAMPHENE	Leaf		5.0	-0.19080294405308876	--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SPATHULENOL	Leaf		5.0	-0.7413753072842936	--
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	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
60	LIMONENE	Leaf		115.0	-0.32680414001148905	--
0	NAPHTHALENE	Leaf		9.0		--
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	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

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,2,4-TRIMETHYL-BENZENE	Leaf		0.1		--
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	KOENIGINE	Plant				--
6	OXYPEUCEDANIN	Seed		3.0	-1.0	--
7	DIPENTENE	Leaf		1770.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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
0	BICYCLOMAHANIMBENE	Plant				--
0	LAVANDULYL-ACETATE	Leaf		20.0		--
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
22	MYRCENE	Leaf		53.0	-0.15355035997883854	--
0	ALPHA-CUBEBENE	Plant				--