

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Melilotus officinalis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	3,4-DIHYDROXY-BENZOIC-ALDEHYDE	Plant				Pharmazie, 46: 156, 1991.
0	4-HYDROXY-BENZOIC-ACID	Shoot				--
0	ACETYLSOYASAPONIN-I	Root		9.0		--
0	AZUKISAPONIN-V	Shoot				--
0	AZUKISAPONIN-V	Plant				--
102	CAFFEIC-ACID	Plant				Pharmazie, 46: 156, 1991.
102	CAFFEIC-ACID	Shoot				--
0	COUMARIC-ACID	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
57	COUMARIN	Flower				--
57	COUMARIN	Stem				--
57	COUMARIN	Shoot	500.0	5400.0	1.0	--
57	COUMARIN	Leaf				--
57	COUMARIN	Plant		2000.0	-0.19906863301293415	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	DEHYDRO-SOYASAPONIN-I	Root		9.0		--
7	DIOSGENIN	Seed		1000.0	-0.7071067811865476	--
0	EO	Flower		130.0	-0.41899431244054014	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FAT	Seed	19000.0	83000.0	-0.9607006829596275	--
61	FERULIC-ACID	Shoot				--
61	FERULIC-ACID	Plant				Pharmazie, 46: 156, 1991.
0	GALACTOMANNAN	Seed				--
62	GALLIC-ACID	Shoot				--
8	GENTISIC-ACID	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HYDROCOUMARIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
75	KAEMPFEROL	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
75	KAEMPFEROL	Flower				--
75	KAEMPFEROL	Shoot		12.5	-0.7612766674260454	--
13	MEDICARPIN	Leaf				--
1	MELILOTIC-ACID	Shoot				--
1	MELILOTIC-ACID	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	MELILOTIC-ACID-ESTER	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	MELILOTIGENIN	Inflorescence		62.5		--
1	MELILOTIN	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	MELILOTOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
34	MYRICETIN	Flower				--
4	O-COUMARIC-ACID	Shoot				--
4	O-COUMARIC-ACID	Plant				Pharmazie, 46: 156, 1991.
64	OLEANOLIC-ACID	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
25	P-COUMARIC-ACID	Shoot				--
25	P-COUMARIC-ACID	Plant				Pharmazie, 46: 156, 1991.
0	P-HYDROXYPHENYLACETIC-ACID	Shoot				--
0	P-HYDROXYPHENYLACTIC-ACID	Shoot				--
0	PROTEIN	Seed	128000.0	416000.0	1.6207983387884666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	PROTocatechualdehyde	Shoot		50.0		--
1	PROTocatechualdehyde	Plant				Pharmazie, 46: 156, 1991.
43	PROTocatechuic-acid	Shoot				--
176	QUERCETIN	Flower				--
176	QUERCETIN	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
34	SALICYLIC-ACID	Shoot				--
34	SALICYLIC-ACID	Plant				Pharmazie, 46: 156, 1991.
0	SAPOGENINS	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
5	SAPONINS	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
9	SINAPIC-ACID	Shoot				--
0	SOYASAPOGENOL-B	Shoot		250.0		--
0	SOYASAPOGENOL-E	Shoot		13.0		--
0	SOYASAPONIN-I	Root		200.0	-0.6403734846871075	--
6	SYRINGIC-ACID	Shoot				--
24	VANILLIC-ACID	Shoot				--