

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Melilotus officinalis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	VANILLIC-ACID	Shoot				--
6	SYRINGIC-ACID	Shoot				--
9	SINAPIC-ACID	Shoot				--
5	SAPONINS	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.
176	QUERCETIN	Flower				--
176	QUERCETIN	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
43	PROTocatechuic-ACID	Shoot				--
1	PROTocatechualdehyde	Shoot		50.0		--
1	PROTocatechualdehyde	Plant				Pharmazie, 46: 156, 1991.
25	P-COUMARIC-ACID	Plant				Pharmazie, 46: 156, 1991.
25	P-COUMARIC-ACID	Shoot				--
64	OLEANOLIC-ACID	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
4	O-COUMARIC-ACID	Plant				Pharmazie, 46: 156, 1991.
4	O-COUMARIC-ACID	Shoot				--
34	MYRICETIN	Flower				--
1	MELILOTIN	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
1	MELILOTIC-ACID	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	MELILOTIC-ACID	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	MEDICARPIN	Leaf				--
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	--
8	GENTISIC-ACID	Shoot				--
62	GALLIC-ACID	Shoot				--
61	FERULIC-ACID	Plant				Pharmazie, 46: 156, 1991.
61	FERULIC-ACID	Shoot				--
7	DIOSGENIN	Seed		1000.0	-0.7071067811865476	--
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.
57	COUMARIN	Flower				--
57	COUMARIN	Stem				--
102	CAFFEIC-ACID	Shoot				--
102	CAFFEIC-ACID	Plant				Pharmazie, 46: 156, 1991.