

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Bidens pilosa***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-PHENYL-HEPTA-1-3-5-TRIYNE	Plant	--	--		Jim Duke's personal files.
0	2-O-CAFFEYOYL-2-C-METHYL-D-ERYTHRONIC-ACID	Leaf	--	7		Jim Duke's personal files.
0	3-O-CAFFEYOYL-2-C-METHYL-D-ERYTHRONO-1-4-LACTONE	Leaf	--	15		Jim Duke's personal files.
0	7-PHENYL-HEPTA-2-4-6-TRIYNE	Leaf	--	--		Jim Duke's personal files.
3	ALPHA-CADINOL	Leaf Essent. Oil	--	110000	1	Jim Duke's personal files.
1	BEHENIC-ACID	Leaf	--	--		Jim Duke's personal files.
9	BETA-AMYRIN	Plant	--	307.5	-1	Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil	--	730000	3.9424235611188183	Jim Duke's personal files.
35	BORNEOL	Leaf Essent. Oil	--	20000	-0.4118733900090771	Jim Duke's personal files.
3	CAPRIC-ACID	Plant	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	DAUCOSTEROL	Plant	--	450	1	Jim Duke's personal files.
2	ELAIDIC-ACID	Leaf	--	--		Jim Duke's personal files.
30	ESCULETIN	Plant	--	300		Jim Duke's personal files.
2	FRIEDELAN-3-BETA-OL	Shoot	--	--		Jim Duke's personal files.
2	FRIEDELIN	Shoot	--	--		Jim Duke's personal files.
2	GERMACRENE-D	Leaf Essent. Oil	--	730000	1.7315429666935105	Jim Duke's personal files.
22	ISOQUERCITRIN	Leaf	--	12	-0.4628177428886223	Jim Duke's personal files.
0	L-INOSITOL	Shoot	--	--		Jim Duke's personal files.
7	LAURIC-ACID	Plant	--	--		Jim Duke's personal files.
60	LIMONENE	Leaf Essent. Oil	--	100000	-0.23618745357138943	Jim Duke's personal files.
27	LINOLEIC-ACID	Shoot	--	--		Jim Duke's personal files.
0	LINOLENIC-ACID	Shoot	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
21	LUPEOL	Plant	--	50		Jim Duke's personal files.
2	LUPEOL-ACETATE	Plant	--	60		Jim Duke's personal files.
6	MYRISTIC-ACID	Plant	--	--		Jim Duke's personal files.
0	OKANIN-3'-4'-DIGLUCOSIDE	Flower	--	100		Jim Duke's personal files.
0	OKANIN-3'-GLUCOSIDE	Flower	--	1020		Jim Duke's personal files.
0	OKANIN-3'-O-BETA-D-GLUCOSIDE	Leaf	--	84		Jim Duke's personal files.
0	OKANIN-4'-(6'-O-ACETYL)-GLUCOSIDE	Flower	--	120		Jim Duke's personal files.
0	OKANIN-4'-DIGLUCOSIDE	Flower	--	460		Jim Duke's personal files.
0	OKANIN-4'-GLUCOSIDE	Flower	--	200		Jim Duke's personal files.
0	OKANIN-4'-O-BETA-D-(2'-4'-6'-TRIACETYL)-GLUCOSIDE	Leaf	--	176		Jim Duke's personal files.
0	OKANIN-4'-O-BETA-D-(2'-4'-DIACETYL-6'-TRANS-P-COUMAROYL)-GLUCOSIDE	Leaf	--	--		Jim Duke's personal files.
0	OKANIN-4'-O-BETA-D-(3'-4'-DIACETYL-6'-TRANS-P-COUMAROYL)-GLUCOSIDE	Leaf	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OKANIN-4'-O-BETA-D-(4'-ACETYL-6'-TRANS-P-COUMAROYL)-GLUCOSIDE	Leaf	--	--		Jim Duke's personal files.
0	OKANIN-4'-O-BETA-D-(6'-TRANS-P-COUMAROYL)-GLUCOSIDE	Leaf	--	21		Jim Duke's personal files.
0	OKANIN-4'-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	6.5		Jim Duke's personal files.
0	OKANIN-4-METHYL-ETHER-3'-O-BETA-D-GLUCOSIDE	Leaf	--	46		Jim Duke's personal files.
13	PALMITIC-ACID	Plant	--	--		Jim Duke's personal files.
2	PALMITOLEIC-ACID	Plant	--	--		Jim Duke's personal files.
0	PHENYLHEPTA-1-3-5-TRIYNE	Fruit	--	--		Jim Duke's personal files.
0	PHENYLHEPTA-1-3-5-TRIYNE	Flower	--	--		Jim Duke's personal files.
0	PHENYLHEPTA-1-3-5-TRIYNE	Leaf	--	--		Jim Duke's personal files.
4	PHENYLHEPTATRIYNE	Leaf	--	--		Jim Duke's personal files.
4	PHENYLHEPTATRIYNE	Plant	--	--		Jim Duke's personal files.
4	PHENYLHEPTATRIYNE	Shoot	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHYTOL-HEPTANOATE	Leaf	--	--		Jim Duke's personal files.
0	SANDARACOPIMARA-8(14)-15-DIENE-7-ALPHA-18-DIOL	Leaf	--	--		Jim Duke's personal files.
10	SQUALENE	Leaf	--	--		Jim Duke's personal files.
12	STIGMASTEROL	Leaf	--	--		Jim Duke's personal files.
0	T-MUJROLOL	Leaf Essent. Oil	--	110000	0.9999999999999999	Jim Duke's personal files.
0	TRIDEC-5-ENE-7-9-11-TRIYNE-3-OL	Root	--	--		Jim Duke's personal files.
0	TRIDECA-2-12-DIENE-4-6-8-10-TETRAYN-1-OL	Root	--	--		Jim Duke's personal files.
0	TRIDECA-3-11-DIENE-5-7-9-TRIYNE-1-2-DIOL	Root	--	--		Jim Duke's personal files.
0	TRIDECAPENTAYN-1-ENE	Root	--	--		Jim Duke's personal files.