

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Sassafras albidum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(E)-BETA-OCIMENE	Leaf	9.4	21.0	0.24797623068876656	--
0	(E,Z)-ALPHA-FARNESENE	Leaf	14.0	15.0		--
0	(Z)-BETA-OCIMENE	Leaf	2.6	8.0	-0.7021125497444185	--
0	(Z)-NEROLIDOL	Leaf	40.0	85.0		--
0	1,6-GERMACRADIEN-5-OL	Leaf	0.2	10.0		--
67	1,8-CINEOLE	Leaf	0.0	1.6	-0.530018691012285	--
0	4-ALLYL-1,2-(METHYLENEDIOXY)-BENZENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	5-METHOXYEUGENOL	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	6-METHYL-5-HEPTEN-2-ONE	Leaf		0.0	-1.0	--
0	ALKALOIDS	Root		200.0	-0.9116967490973776	--
0	ALLO-AROMADENDRENE	Leaf		0.0	-0.20243351944990073	--
0	ALPHA-COPAENE	Leaf		0.0	-0.3563098416598108	--
2	ALPHA-HUMULENE	Leaf	0.0	8.4	-0.4538077231696806	--
11	ALPHA-PHELLANDRENE	Leaf	1.0	6.1	-0.3099954058431905	--
11	ALPHA-PHELLANDRENE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
28	ALPHA-PINENE	Leaf	0.1	5.0	-0.22421990066028927	--
28	ALPHA-PINENE	Root	1000.0	2000.0	0.22299033506753657	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ALPHA-SELINENE	Leaf	0.0	8.9	-0.6154468594892147	--
13	ALPHA-TERPINENE	Leaf		0.0	-0.3123623388930157	--
5	ALUMINUM	Stem	6.0	740.0	-0.24993658696876042	--
5	ALUMINUM	Leaf	50.0	1360.0	0.6789856525717123	--
36	ANETHOLE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	APIOLE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	AROMADENDRENE	Leaf		0.0	-0.6200168347670132	--
15	ASARONE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Seed	24000.0	26000.0	-0.6581019615306641	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Leaf	33000.0	68000.0	-0.8959443898422395	--
0	ASH	Stem	11000.0	37000.0	-1.2199093116337867	--
0	BARIUM	Stem	6.0	370.0	-0.8325722770048196	--
0	BARIUM	Leaf	10.0	204.0	-0.49171193915507894	--
0	BETA-CARYOPHYLLENE	Leaf	30.0	90.0	-0.2907637767105138	--
3	BETA-PHELLANDRENE	Leaf		0.0	-0.4643297333211115	--
3	BETA-PHELLANDRENE	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
13	BETA-PINENE	Leaf	0.06	2.4	-0.42558968215063736	--
3	BETA-SELINENE	Leaf	0.0	11.0	-0.41450604253886136	--
47	BETA-SITOSTEROL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
29	BOLDINE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	BORON	Stem	1.0	26.0	-0.3859437786091492	--
4	BORON	Leaf	2.0	48.0	-0.36107864759302916	--
28	CALCIUM	Stem	913.0	10360.0	-0.9091579129658584	--
28	CALCIUM	Leaf	2607.0	17680.0	-0.051736370616705496	--
9	CAMPHENE	Leaf		0.0	-0.19269287808399893	--
41	CAMPHOR	Leaf		0.0	-0.24890204590851342	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CAPRIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	CAPRYLIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
31	CARYOPHYLLENE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
24	CHROMIUM	Stem	0.0	2.59	-0.4068809952636315	--
24	CHROMIUM	Leaf	0.99	2.04	-0.47242907141823176	--
0	CINNAMOLAURINE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	CITRAL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	COBALT	Stem	0.0	0.56	-0.6876530130253229	--
0	CONIFERALDEHYDE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	COPAENE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	COPPER	Stem	0.2	56.0	-0.24031303106521615	--
12	COPPER	Leaf	1.6	102.0	2.045880158776784	--
0	D-2,3-DIHYDROXY-1-(3,4-METHYLEN-DIOXYPHENYL)-PROPANE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-CAMPHOR	Root	600.0	1200.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-PHELLANDRENE	Leaf				--

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0	D-SESAMIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	DELTA-CADINENE	Leaf	0.2	12.0	-0.4118439075235899	--
0	DESMETHOXY-ASCHANTIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	ELEMICIN	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Leaf	150.0	330.0	-0.985592372927569	--
0	EO	Root	10000.0	90000.0	3.5844432634410257	--
76	EUGENOL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Seed	119000.0	604000.0	1.7835926783191665	--
0	GALLIUM	Leaf	0.0	0.34	-0.17611748841908614	--
0	GAMMA-CADINENE	Leaf	0.3	5.0	-0.4320981206779557	--
11	GAMMA-TERPINENE	Leaf		0.0	-0.37192312289024204	--
2	GERMACRENE-D	Leaf	0.2	7.2	-0.5192255558557514	--
6	IRON	Stem	3.0	740.0	0.0046089906833026995	--
6	IRON	Leaf	33.0	1020.0	1.664854133802664	--
5	ISOBOLDINE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	L-MENTHONE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	LAURIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LEAD	Stem	0.1	37.0	-0.7089511343374406	--
0	LEAD	Leaf	1.0	34.0	0.10386849840547507	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Leaf	16.0	32.0	-0.41412019739499095	--
53	LINALOOL	Leaf	27.0	87.0	-0.5871973900753296	--
27	LINOLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
65	MAGNESIUM	Stem	77.0	4760.0	-0.0014050557470613755	--
65	MAGNESIUM	Leaf	990.0	6800.0	1.0326215634630065	--
14	MANGANESE	Stem	5.0	680.0	-0.6472776494710262	--
14	MANGANESE	Leaf	23.0	1020.0	1.2358217471638944	--
0	METHYL-DECANOATE	Leaf		0.0		--
2	MOLYBDENUM	Stem	0.0	0.74	-0.5238338654976148	--
2	MOLYBDENUM	Leaf	0.0	0.48	-0.834075758856	--
3	MUCILAGE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	MYRCENE	Leaf	0.0	5.4	-0.17072694170092062	--
31	MYRISTICIN	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	NICKEL	Stem	0.08	1.8	-1.1526844644599292	--
3	NICKEL	Leaf	0.23	3.4	-0.3661943152448143	--
0	NORBOLDINE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	NORCINNAMOLLAURINE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	P-CYMENE	Leaf		0.0	-0.4001134882866781	--
4	PHELLANDRENE	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHLOBAPHEN	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
4	PHOSPHORUS	Stem	132.0	1776.0	-0.545308734462171	--
4	PHOSPHORUS	Leaf	396.0	3264.0	-0.3141494001739766	--
0	PIPERONYLACROLEIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	POTASSIUM	Stem	1430.0	12580.0	-0.284617159516089	--
14	POTASSIUM	Leaf	3960.0	21760.0	-0.37905364587546114	--
0	PROTEIN	Seed	62000.0	23800.0	-1.8680237729789178	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	RESIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
10	RETICULINE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Leaf	0.0	0.3	-0.2610177225310721	--
0	SAFRENE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
29	SAFROLE	Leaf		0.0	-0.7092593093632741	--
29	SAFROLE	Root	8000.0	81000.0		--
0	SCANDIUM	Stem	0.0	0.11		--
0	SCANDIUM	Leaf	0.0	0.68	-1.0	--
3	SILVER	Leaf	0.0	0.204	-0.8741786830636789	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	STARCH	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	STRONTIUM	Leaf	2.0	680.0	0.4097981155517585	--
0	STRONTIUM	Stem	3.0	370.0	-0.24678963633209025	--
35	TANNIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	TERPINEN-4-OL	Leaf		0.0	-0.34032252485825043	--
9	TERPINOLENE	Leaf	0.0	0.6	-0.23133025716217334	--
17	THUJONE	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TITANIUM	Stem	0.16	74.0	0.02537851847600444	--
0	TITANIUM	Leaf	1.0	102.0	-0.2563674685863019	--
0	TUNGSTEN	Leaf	1.0	3.4	-0.9999999999999997	--
16	VANADIUM	Stem	0.05	2.59	0.7088954511429899	--
16	VANADIUM	Leaf	0.16	3.4	-0.4752386364147714	--
77	ZINC	Stem	4.0	111.0	-0.07951787460915558	--
77	ZINC	Leaf	10.0	136.0	0.30786626296005176	--
0	ZIRCONIUM	Stem	0.2	5.5	-0.29475109853799497	--
0	ZIRCONIUM	Leaf	0.66	10.2	-0.4492772375455188	--