

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Aspalathus linearis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PHOSPHATE	Plant		50.0		--
0	UNDECAN-1-AL	Leaf Essent. Oil		6200.0		--
0	HEPTAN-4-OL	Leaf Essent. Oil		3900.0		--
0	2-METHYL-HEPT-2-EN-4-ONE	Leaf Essent. Oil		5900.0		--
0	OCTAN-2-ONE	Leaf Essent. Oil		800.0		--
0	OCT-1-EN-3-OL	Leaf Essent. Oil		6400.0		--
0	HEPT-2-EN-1-AL	Leaf Essent. Oil		1500.0		--
0	BENZOIC-ACID-METHYL-ESTER	Leaf Essent. Oil		600.0		--
0	3,4,5-TRIHYDROXYCINNAMIC-ACID	Shoot				--
0	LINALOOL-OXIDE	Leaf Essent. Oil		2000.0	-1.146764358161992	--
0	PHOSPHATE	Shoot		1200.0		--
0	HEPTAN-3-ONE	Leaf Essent. Oil		4700.0		--
0	1-METHYLNAPHTHALENE	Leaf Essent. Oil		4000.0		--
0	NONAN-2-ONE	Leaf Essent. Oil		1900.0		--
0	HEPT-1-EN-3-OL	Leaf Essent. Oil		2000.0		--
0	ISOBITEXIN	Shoot				--
0	SULFATE	Shoot		1100.0		--
0	HEPTAN-3-OL	Leaf Essent. Oil		6700.0		--
0	FLAVONOIDS	Leaf				--
0	2-PHENYLETHANOL	Plant				--
0	NONAN-1-AL	Leaf Essent. Oil		2800.0		--
0	SALICYLIC-ACID-METHYL-ESTER	Leaf Essent. Oil		4200.0		--
0	HEPTAN-2-ONE	Leaf Essent. Oil		6400.0		--
0	NONA-2,6-DIEN-1-AL	Leaf Essent. Oil		4200.0		--
0	4-HYDROXY-BENZOIC-ACID	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FLAVANOL-O-GLYCOSIDE	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	4-BUTANOLIDE	Plant				--
0	OCTAN-2-OL	Leaf Essent. Oil		4100.0		--
0	HEPTAN-2-OL	Leaf Essent. Oil		9600.0		--
0	P-METHYLBENZALDEHYDE	Leaf Essent. Oil				--
0	DODECAN-1-AL	Leaf Essent. Oil		1000.0		--
0	NON-2-EN-1-AL	Leaf Essent. Oil		5200.0		--
0	2,4-DIMETHYLBENZALDEHYDE	Leaf Essent. Oil		1300.0		--
0	6-METHYL-HEPTA-3,5-DIEN-2-ONE-ISOMER-B	Leaf Essent. Oil		1900.0		--
0	FAT	Shoot		17000.0	-0.5582126582705272	--
0	SAFRANAL	Leaf Essent. Oil		4000.0		--
0	OCTAN-1-OL	Leaf Essent. Oil		2300.0		--
0	HEPTAN-1-OL	Leaf Essent. Oil		500.0		--
0	DAMASCENONE	Leaf Essent. Oil		50500.0	1.0	--
0	METHYL-ETHYLMALEIMIDE	Plant				--
0	NEROL-ACETATE	Leaf Essent. Oil		2000.0	-1.0	--
0	GAMMA-OCTALACTONE	Leaf Essent. Oil		4200.0		--
0	2,4-DIHYDROXY-ACETOPHENONE	Leaf Essent. Oil		2100.0		--
0	6-METHYL-HEPTA-3,5-DIEN-2-ONE-ISOMER-A	Leaf Essent. Oil		51800.0		--
0	DIHYDROACTINIDIOLIDE	Plant				--
0	HEXANOIC-ACID-METHYL-ESTER	Leaf Essent. Oil		600.0		--
0	ASPALATHIN-BETA-D-GLUCOPYRANOSIDES	Shoot				--
0	OCTA-3,5-DIEN-2-ONE-ISOMER-B	Leaf Essent. Oil		11500.0		--
0	HEPTAN-1-AL	Leaf Essent. Oil		1700.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIHYDROACTINIDIOLIDE	Leaf				--
0	BETA-CYCLOCITRAL	Leaf Essent. Oil		10200.0		--
0	3-METHYL-BUTANOIC-ACID	Plant				--
0	6-METHYL-HEPT-5-EN-2-ONE	Leaf Essent. Oil		39700.0		--
0	PROTEIN	Plant				--
0	BETA-DAMISCENONE	Plant				--
0	HEXANE-2,5-DIONE	Leaf Essent. Oil		1500.0		--
0	OCTA-3,5-DIEN-2-ONE-ISOMER-A	Leaf Essent. Oil		24200.0		--
0	HEPTA-2,4-DIEN-1-AL-ISOMER-B	Leaf Essent. Oil		27700.0		--
0	3,5,5-TRIMETHYLCYCLOHEX-3-EN-1-ONE	Leaf Essent. Oil		500.0		--
0	2-METHOXY-2-BUTEN-4-OLIDE	Plant				--
0	1,2-DICHLOROBENZENE	Leaf Essent. Oil				--
0	HOMOORIENTIN	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-HYDROXY-3',4',7-TRI-O-METHYL-LUTEOLIN	Shoot				--
0	PROTEIN	Shoot		69000.0	-1.2745985759367076	--
0	HEXAN-1-OL-ACETATE	Leaf Essent. Oil		400.0		--
0	OCTA-2,4-DIEN-1-AL	Leaf Essent. Oil		3000.0		--
0	HEPTA-2,4-DIEN-1-AL-ISOMER-A	Leaf Essent. Oil		24600.0		--
0	2,6,6-TRIMETHYLCYCLOHEXENONE	Leaf Essent. Oil		7100.0		--
0	ASH	Shoot		25000.0	-1.7963329752128847	--
0	DELTA-VALEROLACTONE	Leaf Essent. Oil		400.0		--
0	HEXAN-1-OL	Leaf Essent. Oil		700.0		--
0	2-PENTYL-FURAN	Leaf Essent. Oil		1000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	P-ETHYL-PHENOL	Leaf Essent. Oil		1600.0		--
0	OCT-3-EN-2-ONE	Leaf Essent. Oil		4600.0		--
0	HEPT-4-EN-1-AL	Leaf Essent. Oil		2000.0		--
0	2,2,6-TRIMETHYL-CYCLOHEXANONE	Leaf Essent. Oil		3700.0		--
0	6,10,14-TRIMETHYLPENTADECANONE	Plant				--
0	VITAMIN-C	Leaf				--
0	HEPTAN-4-ONE	Leaf Essent. Oil		2100.0		--
0	2-METHYL-NAPHTHALENE	Leaf Essent. Oil		6800.0		--
0	OCTANOIC-ACID-METHYL-ESTER	Leaf Essent. Oil		1300.0		--
0	OCT-2-EN-1-AL	Leaf Essent. Oil		4900.0		--
0	HEPT-2-EN-1-OL	Leaf Essent. Oil		5000.0		--
0	BENZOTHAZOLE	Leaf Essent. Oil		3400.0		--
0	BETA-PHENYLETHYLALCOHOL	Leaf Essent. Oil		40700.0		--
1	SODIUM	Leaf				--
1	NOTHOFAGIN	Shoot				--
1	NAPHTHALENE	Leaf Essent. Oil		4300.0		--
1	2,3-DIHYDROBENZOFURAN	Leaf Essent. Oil		3200.0		--
1	ASPALATHIN	Shoot	17.0	15000.0		--
2	P-METHYL-ACETOPHENONE	Leaf Essent. Oil		5000.0		--
2	GAMMA-NONALACTONE	Leaf Essent. Oil		3200.0		--
2	PHENYL-ACETALDEHYDE	Leaf Essent. Oil		17100.0		--
2	METHYL-PHENYLACETATE	Leaf Essent. Oil		7900.0		--
2	HEXANOIC-ACID	Plant				--
2	GERANYL-ACETONE	Plant				--
3	FLUORIDE	Plant	0.44	1.65	-0.5740115779302913	--
3	ISOQUERCETIN	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	BETA-TERPINEOL	Leaf Essent. Oil		4300.0		--
4	ORIENTIN	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	ISOORIENTIN	Shoot				--
4	ISOVITEXIN	Shoot		0.5		--
5	SALICYLALDEHYDE	Leaf Essent. Oil		1000.0		--
5	ALUMINUM	Shoot		9900.0	1.0787185957210077	--
6	SYRINGIC-ACID	Shoot				--
6	ACETOPHENONE	Leaf Essent. Oil		4000.0		--
6	IRON	Plant		14.0	-0.7218159135751593	--
6	IRON	Shoot		3300.0	3.751125723153258	--
7	CHRYSOERIOL	Shoot		6.6	-0.7384459049265101	--
8	P-CRESOL	Leaf Essent. Oil				--
9	BENZYL-ALCOHOL	Leaf Essent. Oil				--
11	GAMMA-TERPINENE	Leaf Essent. Oil				--
13	BETA-IONONE	Leaf				--
13	ALPHA-TERPINENE	Leaf Essent. Oil				--
13	P-HYDROXY-BENZOIC-ACID	Shoot				--
14	POTASSIUM	Leaf				--
14	MANGANESE	Shoot		120.0	-0.9591769438559322	--
14	POTASSIUM	Plant				--
14	POTASSIUM	Shoot		5600.0	-1.2816033932517448	--
16	ACETIC-ACID	Plant				--
18	GUAIACOL	Leaf Essent. Oil		240000.0		--
18	GUAIACOL	Leaf				--
18	CINNAMIC-ACID	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
18	GUAIACOL	Plant				--
20	BENZOIC-ACID	Shoot				--
22	ISOQUERCITRIN	Shoot		1.0	-1.1453747053075045	--
22	MYRCENE	Leaf Essent. Oil				--
23	ALPHA-TERPINEOL	Leaf Essent. Oil		4200.0	-0.7797871552056034	--
24	BENZALDEHYDE	Leaf Essent. Oil		15900.0	0.6952232834176496	--
24	VANILLIC-ACID	Shoot		0.76		--
25	P-COUMARIC-ACID	Shoot		1.0	-0.7071067811865475	--
26	PHENOL	Leaf Essent. Oil		700.0		--
28	CALCIUM	Plant		90.0	-1.443984393362664	--
28	CALCIUM	Shoot		2000.0	-0.9297794818295042	--
28	CALCIUM	Leaf				--
30	(+)-CATECHIN	Shoot				--
32	ALPHA-TOCOPHEROL	Plant				--
35	BORNEOL	Leaf Essent. Oil		500.0	-0.6785540022451703	--
35	TANNIN	Shoot		44000.0	-0.8290380397657579	--
43	PROTocatechuic-acid	Shoot		2.6		--
53	LINALOOL	Leaf Essent. Oil		5400.0	-0.661654653443934	--
60	LIMONENE	Leaf Essent. Oil				--
61	FERULIC-ACID	Shoot		0.66		--
62	GALLIC-ACID	Shoot		44000.0	1.4140081297693825	--
62	GALLIC-ACID	Leaf		44000.0	0.6988544721314695	--
65	MAGNESIUM	Plant		140.0	-1.2188549999457055	--
65	MAGNESIUM	Leaf				--
65	MAGNESIUM	Shoot		3300.0	-0.5803607740011649	--
71	THYMOL	Leaf Essent. Oil		2200.0	-1.0	--
76	EUGENOL	Leaf Essent. Oil		13600.0	-1.0138787287413815	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
78	LUTEOLIN	Shoot	0.66	1.0	-0.7054905387561778	--
78	LUTEOLIN	Leaf				--
87	RUTIN	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
102	CAFFEIC-ACID	Shoot		0.66	-0.703465468886938	--
112	ASCORBIC-ACID	Shoot	157.0	94000.0	4.1806764777423835	--
176	QUERCETIN	Shoot		1.3	-0.7538426844404754	--
176	QUERCETIN	Plant		7.5	-1.0	--