

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Elaeagnus angustifolia*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Fruit	40.0	500.0	-0.25340050910901013	--
102	CAFFEIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
102	CAFFEIC-ACID	Fruit				Kusova, R. D., Kazakov, A. L., Luk'yanchikov, M. S. 1988. Phenolic Compounds From Fruit of <i>Elaeagnus angustifolia</i> . Chem. Nat. Comp. 24 3: 392-393. Pyatigorsk Farm Inst Pyatigorsk USSR.
1	CALLIGONINE	Bark				--
43	CATECHIN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	CHLOROGENIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
51	ELLAGIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
40	EPICATECHIN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	ETHYL-CINNAMATE	Flower		790.0	1.0	Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
61	FERULIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GLUTAMIC-ACID	Root		0.48	-1.2905101027270787	Wheller, C. T., Bond, G. 1970. The Amino Acids of Non-Legume Root Nodules. <i>Phytochemistry</i> 9: 705-708. Dept. Botany Univ. Glasgow Glasgow, Scotland.
7	HARMAN	Shoot				--
7	HARMAN	Root				Gill, S., Raszeja, W. 1971. Chromatographic Analysis of Harman Derivatives in Some Plant Raw Materials. <i>Gdansk Tow Nauk Rozpr Wydz 1971 8: 137-143. Akad Med Gdansk Poland.</i>
7	HARMAN	Root Bark				Gill, S., Raszeja, W. 1973. Chromatographic Analysis of Harman Alkaloid Derivatives in Some Plant Raw Materials. <i>Rozpr Wydz 3 Nauk Mat-Przyr Gdansk Tow Nauk 8: 137-. Acad Med Danzig Poland.</i>
23	HARMINE	Shoot				Lutomski, J., Nowicka, B. 1968. Simple Carboline Alkaloids. VI. Comparative Chemical Evaluation of Alkaloid Fractions From Different Sources. <i>Inst. Przem 14 4: 235-238. Poznan Poland.</i>
23	HARMINE	Root				Gill, S., Raszeja, W. 1971. Chromatographic Analysis of Harman Derivatives in Some Plant Raw Materials. <i>Gdansk Tow Nauk Rozpr Wydz 1971 8: 137-143. Akad Med Gdansk Poland.</i>
1	HARMOL	Shoot				Gill, S., Raszeja, W. 1973. Chromatographic Analysis of Harman Alkaloid Derivatives in Some Plant Raw Materials. <i>Rozpr Wydz 3 Nauk Mat-Przyr Gdansk Tow Nauk 8: 137-143. Akad Med Danzig Poland.</i>
1	HARMOL	Root Bark				Gill, S., Raszeja, W. 1973. Chromatographic Analysis of Harman Alkaloid Derivatives in Some Plant Raw Materials. <i>Rozpr Wydz 3 Nauk Mat-Przyr Gdansk Tow Nauk 8: 137-. Acad Med Danzig Poland.</i>

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	ISORHAMNETIN	Fruit				Kusova, R. D., Kazakov, A. L., Luk'yanchikov, M. S. 1988. Phenolic Compounds From Fruit of <i>Elaeagnus angustifolia</i> . Chem. Nat. Comp. 24 3: 392-393. Pyatigorsk Farm Inst Pyatigorsk USSR.
11	ISORHAMNETIN	Plant				Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
75	KAEMPFEROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	NEO-CHLOROGENIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
64	OLEANOLIC-ACID	Plant				Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
64	OLEANOLIC-ACID	Bark		2140.0	1.0	Zhong, J. F., Jin, J. H., Li, X. P. 1991. Determination of Oleanolic Acid in Russian Olive (<i>Elaeagnus angustifolia</i>) by TLC-Scanning. Chung Ts'ao Yao 22 3: 398-399. Gansu Inst New Med Pharm Sci Lanzhou 730050 China.
25	P-COUMARIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Seed		1145.0	-0.6759759843568258	Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
2	PALMITOLEIC-ACID	Seed		495.0	-0.2865853497815508	Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
176	QUERCETIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	SINAPIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Seed		235.0	-0.5602913382599791	Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
93	TOCOPHEROL	Fruit	1.0	20.0	-0.5354215411219696	--