Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Sambucus canadensis

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
47	BETA-SITOSTEROL	Leaf				--
5	ALPHA-AMYRIN-PALMITATE	Leaf				--
35	TANNIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	STIGMASTEROL	Leaf				--
12	STIGMASTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
5	ALPHA-AMYRIN-PALMITATE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
176	QUERCETIN	Fruit				--
3	MUCILAGE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
64	OLEANOLIC-ACID	Leaf				--
1	N-NONACOSANE	Leaf				--
2	CAMPESTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
5	CYANIN	Fruit				--
47	BETA-SITOSTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	BETA-AMYRIN-PALMITATE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
2	CAMPESTEROL	Leaf				--
11	PANTOTHENIC-ACID	Fruit	1.0	7.0	-0.7083122636259013	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Fruit	1.0	3.0	-0.29859918253223444	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Fruit	1.0	3.0	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Fruit	4.0	18.0	-0.11600695344068511	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
39	NIACIN	Fruit	5.0	25.0	-0.4772218216222814	USDA's Ag Handbook 8 and sequelae)
6	IRON	Plant	16.0	79.0	-0.6452696070354266	--
29	TRYPTOPHAN	Fruit	130.0	559.0	-0.40903013650243103	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Fruit	140.0	693.0	-0.32696949392698277	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Fruit	150.0	742.0	-0.6805138378407519	USDA's Ag Handbook 8 and sequelae)
2	CYSTINE	Fruit	150.0	742.0	-0.30176503740231525	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Plant	260.0	1287.0	-1.0954520396154683	--
3	ISOLEUCINE	Fruit	270.0	1336.0	-0.691335624114916	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Fruit	270.0	1336.0	-0.6990686286563343	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Fruit	300.0	1485.0	-0.8735049927392996	--
3	VALINE	Fruit	330.0	1634.0	-0.5816375343333002	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Fruit	360.0	1782.0	-0.17368960442994769	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Fruit	360.0	1782.0	-0.7050445118463198	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Fruit	369.0	2036.0	-0.3584113260261537	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Fruit	380.0	1881.0	-0.4558178287284867	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Fruit	400.0	1980.0	-0.4667288235330872	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Fruit	470.0	2326.0	-0.5291435977685278	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Fruit	510.0	2524.0	0.04362322524613731	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Fruit	580.0	2871.0	-0.9574113584887939	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Fruit	600.0	2970.0	-0.4530573680539287	USDA's Ag Handbook 8 and sequelae)
8	GLUTAMIC-ACID	Fruit	960.0	4752.0	-0.6603670628927117	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	2699.0	14356.0	-0.3150109742062989	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	STEARIC-ACID	Seed	5628.0	8960.0	-0.37098846575323996	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
87	RUTIN	Flower	7700.0	52000.0	0.047303860256882914	--
18	OLEIC-ACID	Seed	8040.0	12800.0	-0.8738766959416714	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	PALMITIC-ACID	Seed	11658.0	18560.0	-0.31664802756465443	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
87	RUTIN	Leaf	35000.0	38000.0	1.3545803769236988	--
15	FIBER	Fruit	70000.0	346000.0	1.9280958845990008	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed	106530.0	169600.0	0.5353160219759161	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.