

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

**Chemicals Found in *Phytolacca americana***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-ACETYLALEURITOLIC-ACID	Seed	--	--		
0	3-ACETYLOLEANOLIC-ACID	Seed	--	--		
0	3-OXO-3-CARBOMETHOXY-24-NOROLEAN-12-EN-29-OIC-ACID	Plant	--	--		
0	ALKALOIDS	Fruit	22000	22000	2.733979152101922	
2	ALPHA-SPINASTEROL	Fruit	--	--		
2	AMERICANIN	Seed	--	--		
3	ANTHOCYANIN	Fruit	93000	93000		
112	ASCORBIC-ACID	Shoot	1360	16184	0.4125472323055765	
7	ASTRAGALIN	Leaf	--	--		
53	BETA-CAROTENE	Shoot	52	621	2.1099158539709246	
5	BETANIN	Shoot	--	--		
0	CAFFEIC-ALDEHYDE	Plant	--	--		
28	CALCIUM	Shoot	530	6307	-0.6154628550383262	
4	CALCIUM-OXALATE	Plant	--	--		
0	CARBOHYDRATES	Shoot	37000	441000	-0.8621034131692937	
31	CARYOPHYLLENE	Fruit	--	--		
0	ESCULENTIC-ACID	Fruit	--	--		
0	FAT	Shoot	4000	48000	0.02777188689541282	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	FRUCTOSE	Fruit	14000	14000	-0.7155748635055977	
7	GLUCOSE	Fruit	46000	46000	-0.4068874252682447	
0	GUM	Root	--	--		
0	HEMICELLULOSE	Root	--	--		
6	IRON	Shoot	17	202	-0.39781254119223214	
0	ISOBETANINE	Fruit	--	--		
0	ISOPREBETANINE	Fruit	--	--		
22	ISOQUERCITRIN	Leaf	--	--		
2	JALIGONIC-ACID	Root	--	--		
39	NIACIN	Shoot	12	143	0.4389861751515776	
64	OLEANOLIC-ACID	Root	--	--		
0	OXYMYRISTIC-ACID	Root	--	--		
0	PAP(=POKEWEED-ANTIVIRAL-PROTEIN)	Plant	--	--		
4	PHOSPHORUS	Shoot	440	5238	0.8385396264218817	
0	PHYTOLACCAGENIC-ACID	Root	--	--		
0	PHYTOLACCAGENIN	Root	--	--		
0	PHYTOLACCANIN	Plant	--	--		
0	PHYTOLACCASAPONINS	Plant	--	--		
0	PHYTOLACCASIDE	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	PHYTOLACCATOXIN	Plant	--	--		
0	PHYTOLACCIN	Plant	--	--		
0	PHYTOLACCINIC-ACID	Plant	--	--		
0	PHYTOLACCOGENIC-ACID	Plant	--	--		
0	POKEBERRYGENIN	Plant	--	--		
0	POKEWEED-ANTIVIRAL-PROTEIN	Plant	--	--		
0	PREBETANINE	Fruit	--	--		
0	PROTEIN	Shoot	26000	311000	0.9025475630834293	
0	QUERCETIN-3-L-ARABINO-7-D-GLUCOSIDE	Fruit	--	--		
0	RESIN	Root	--	--		
15	RIBOFLAVIN	Shoot	3	39	1.9983066084198973	
5	STARCH	Root	--	--		
35	TANNIN	Root	--	--		
31	THIAMIN	Shoot	1	10	-0.2968901536351788	
0	WATER	Shoot	916000	916000	0.8291818612978041	
3	XYLOSE	Root	--	--		