

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Asimina triloba*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	(E)(E)-FARNESOL	Fruit	0.0	0.058		--
0	(E)(E)-FARNESYL-ACETATE	Fruit	0.0	0.001		--
0	(E)(E)-FARNESYL-BUTANOATE	Fruit	0.0	0.001		--
0	(E)(E)-FARNESYL-HEXANOATE	Fruit	0.0	0.06		--
0	(E)(E)-FARNESYL-OCTANOATE	Fruit	0.0	0.041		--
0	(Z)-HEX-3-EN-1-OL	Fruit	0.0	0.041		--
0	2-ETHYL-HEX-AN-1-OL	Fruit	0.0	0.004		--
0	3-((HEPTYLCARBONYL)OXY)BUTAN-2-ONE	Fruit	0.0	0.74		--
0	3-((PENTYLCARBONYL)OXY)BUTAN-2-ONE	Fruit	0.0	1.305		--
0	3-((PROPYLCARBONYL)OXY)BUTAN-2-ONE	Fruit	0.0	2.407		--
0	3-ACETOXYBUTAN-2-ONE	Fruit	0.0	0.108		--
0	3-HYDROXYBUTAN-2-ONE	Fruit	0.001	3.123		--
0	4-HEXANOLIDE	Fruit	0.0	0.453		--
0	4-OCTANOLIDE	Fruit	0.0	0.024		--
3	ALANINE	Fruit	523.0	5331.0	0.6380811499267729	--
0	ANOLOBINE	Bark				--
14	ARGININE	Fruit	240.0	2336.0	-0.526476223238861	--
112	ASCORBIC-ACID	Fruit	76.0	893.0	-0.22896495096636463	--
0	ASH	Fruit	6000.0	22000.0	-0.8976301135791823	--
9	ASIMICIN	Seed				--
0	ASIMIOBINE	Plant				--
0	ASIMINE	Seed				--
3	ASPARTIC-ACID	Fruit	424.0	5167.0	-0.6557719563301444	--
53	BETA-CAROTENE	Fruit	0.4	2.5	-0.14596817417369995	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BUTANE-2,3-DIOL-MONOBUTANOATE-1	Fruit	0.0	0.473		--
0	BUTANE-2,3-DIOL-MONOBUTANOATE-2	Fruit	0.0	0.588		--
0	BUTANE-2,3-DIOL-MONOHEXANOATE-1	Fruit	0.0	0.489		--
0	BUTANE-2,3-DIOL-MONOHEXANOATE-2	Fruit	0.0	1.121		--
0	BUTANE-2,3-DIOL-MONOOCTANOATE-1	Fruit	0.0	0.23		--
0	BUTANE-2,3-DIOL-MONOOCTANOATE-2	Fruit	0.0	0.239		--
0	BUTYL-(E)-BUT-2-ENOATE	Fruit	0.0	0.845		--
0	BUTYL-OCTANOATE	Fruit	0.0	0.048		--
6	BUTYRIC-ACID	Fruit	0.0	0.001		--
102	CAFFEIC-ACID	Leaf				--
28	CALCIUM	Fruit	530.0	3248.0	-0.14036839849814203	--
0	CARBOHYDRATES	Fruit	168000.0	854000.0	0.3803062170302022	--
15	CITRONELLOL	Fruit	0.0	0.024	-0.5736794143737701	--
2	COREXIMINE	Plant				--
7	CYANIDIN	Plant				--
3	DECANOIC-ACID	Fruit	0.01	0.662	-0.7061996528286495	--
0	DIBUTYL-PHTHALATE	Fruit	0.02	0.036		--
1	DODECANOIC-ACID	Fruit	0.012	0.135	-1.0	--
0	ETHYL-(E)(E)-HEXA-2,4-DIENOATE	Fruit	0.0	0.047		--
0	ETHYL-(E)-BUT-2-ENOATE	Fruit	0.0	0.291		--
0	ETHYL-(Z)-HEX-4-ENOATE	Fruit	0.0	0.352		--
0	ETHYL-(Z)-OCT-4-ENOATE	Fruit	0.0	0.716		--
0	ETHYL-3-HYDROXYHEXANOATE	Fruit	0.0	0.676		--
6	ETHYL-ACETATE	Fruit	0.008	0.143	-0.7075920565486513	--
0	ETHYL-BUTANOATE	Fruit	0.002	7.109		--
0	ETHYL-DECANOATE	Fruit	0.003	1.92	1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ETHYL-DODECANOATE	Fruit	0.001	0.31		--
0	ETHYL-HEXA-2,4-DIENOATE	Fruit	0.0	0.155		--
0	ETHYL-HEXADECANOATE	Fruit	0.0	0.06		--
0	ETHYL-HEXANOATE	Fruit	0.006	62.864	1.0	--
0	ETHYL-NICOTINATE	Fruit	0.0	0.036		--
0	ETHYL-OCTANOATE	Fruit	0.02	24.609	0.9999999999999999	--
0	ETHYL-TETRADECANOATE	Fruit	0.0	0.215		--
0	FAT	Fruit	6000.0	59000.0	-0.19061483557487616	--
15	FIBER	Fruit	14000.0	150000.0	0.07854566798930948	--
8	FRUCTOSE	Fruit	13000.0	119658.0	1.0109504148307933	--
35	GERANIOL	Fruit	0.0	1.305	-0.603926004906536	--
0	GERANYL-HEXANOATE	Fruit	0.0	0.047		--
0	GERANYL-OCTANOATE	Fruit	0.0	0.012		--
7	GLUCOSE	Fruit	18000.0	170940.0	0.9191705141521567	--
8	GLUTAMIC-ACID	Fruit	622.0	7332.0	-0.4595880826721499	--
12	GLYCINE	Fruit	389.0	3501.0	-0.040069970656347695	--
0	HALF-CYSTINE	Fruit	14.0	336.0		--
0	HEXADECANOIC-ACID	Fruit	0.0	0.23		--
2	HEXANOIC-ACID	Fruit	0.0	0.001	-1.0000000000000002	--
0	HEXYL-OCTANOATE	Fruit	0.0	0.027		--
7	HISTIDINE	Fruit	124.0	1336.0	-0.2640486033446176	--
1	HYDROXYPROLINE	Fruit	70.0	836.0		--
6	IRON	Fruit	68.0	308.0	0.6942648051317489	--
5	ISOCORYDINE	Plant				--
3	ISOLEUCINE	Fruit	373.0	4166.0	0.1586407726262807	--
0	KCALs	Fruit	770.0	3400.0		--
2	LEUCINE	Fruit	466.0	5002.0	-0.0210781212221325	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
1	LEUCOCYANIDIN	Leaf				--
60	LIMONENE	Fruit	0.027	0.548	-0.7501252174987437	--
27	LINOLEIC-ACID	Fruit	480.0	6018.0	-0.27049501927066294	--
0	LINOLENIC-ACID	Fruit	840.0	14396.0	1.0410140673460029	--
11	LIRIODENINE	Plant				--
4	LYSINE	Fruit	339.0	3831.0	-0.07341676491377869	--
65	MAGNESIUM	Fruit	1090.0	5128.0	1.3883700405292987	--
14	MANGANESE	Fruit	25.0	111.0	0.32838203012565764	--
15	METHIONINE	Fruit	70.0	836.0	-0.1508748960377144	--
0	METHYL-(E)(E)-FARNESATE	Fruit	0.048	0.304		--
0	METHYL-(E)-OCTANOATE	Fruit	0.031	6.179		--
0	METHYL-(Z)-OCT-2-ENOATE	Fruit	0.0	0.036		--
0	METHYL-BUTANOATE	Fruit	0.047	0.119		--
0	METHYL-CYCLOHEXANE	Fruit	0.063	0.196	0.9999999999999997	--
0	METHYL-DECANOATE	Fruit	0.0	0.107	-1.0	--
0	METHYL-DODECANOATE	Fruit	0.0	0.06		--
0	METHYL-GERANATE	Fruit	0.0	0.453		--
0	METHYL-HEXANOATE	Fruit	0.0	5.344		--
0	METHYL-OCTANOATE	Fruit	0.031	6.179	1.0000000000000002	--
0	METHYL-TETRADECANOATE	Fruit	0.0	0.058		--
0	MICHELALBINE	Plant				--
6	MYRISTIC-ACID	Fruit	306.0	4956.0	-0.035340472319039085	--
5	OCTANOIC-ACID	Fruit	0.0	0.001	-0.7703792105204762	--
18	OLEIC-ACID	Fruit	1392.0	24780.0	-0.2897574004700958	--
13	PALMITIC-ACID	Fruit	1080.0	14396.0	-0.14142033551855346	--
0	PALMITOLEIC	Fruit	348.0	6018.0		--
7	PHENYLALANINE	Fruit	294.0	3001.0	-0.1126376726592986	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
4	PHOSPHORUS	Fruit	420.0	2265.0	-0.2888549144842815	--
14	POTASSIUM	Fruit	3140.0	15726.0	-0.1938021077872532	--
0	PROLINE	Fruit	282.0	3648.0	-0.0986392372232873	--
0	PROPYL-BUTANOATE	Fruit	0.0	0.068		--
0	PROPYL-HEXANOATE	Fruit	0.0	0.167		--
0	PROTEIN	Fruit	8000.0	61000.0	-0.6501440178786216	--
176	QUERCETIN	Leaf				--
2	QUERCETIN-3'-GLUCOSIDE	Plant				--
1	SERINE	Fruit	354.0	3666.0	0.008120190151666495	--
8	STEARIC-ACID	Fruit	102.0	2124.0	-0.1383619701693744	--
14	SUCROSE	Fruit	60000.0	545000.0	3.117372769253386	--
14	SULFUR	Fruit	620.0	3333.0	1.3351919287177112	--
0	TETRADECANOIC-ACID	Fruit	0.059	0.162		--
0	TETRADECEN-1-OL	Fruit	0.0	0.147		--
4	THREONINE	Fruit	254.0	2812.0	-0.08550692158346714	--
1	TOLUENE	Fruit	0.001	0.024	-0.707096704817931	--
29	TRYPTOPHAN	Fruit	35.0	536.0	-0.44130941651112776	--
8	TYROSINE	Fruit	140.0	1501.0	-0.3802814000381016	--
3	VALINE	Fruit	334.0	3661.0	-0.1634114676097814	--
0	WATER	Fruit	695000.0	766000.0	-0.01989573086480135	--
77	ZINC	Fruit	9.0	38.0	0.23161469458267334	--