

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for BETULINIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acrotrema uniflorum	Plant		1200.0	-0.47917562856023765	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Acrotrema arnottianum	Leaf		5300.0	0.30762742325571746	Jim Duke's personal files.
Acrotrema uniflorum	Plant		1200.0	-0.47917562856023765	Jim Duke's personal files.
Adansonia digitata	Bark				Jim Duke's personal files.
Ailanthus grandis	Bark				Jim Duke's personal files.
Ailanthus grandis	Twig		86.0	1.0	Jim Duke's personal files.
Akania luceus	Bark		200.0	-0.6732522989463093	Jim Duke's personal files.
Akania luceus	Bark		200.0	-0.6732522989463093	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Alangium lamarckii	Seed				Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Aleurites montana	Bark		60.0	-0.6921867615096277	Jim Duke's personal files.
Alnus nepalensis	Bark		2100.0	-0.41628459272984514	Jim Duke's personal files.
Alnus maximowiczii	Root		260.0	-0.31993506175728803	Jim Duke's personal files.
Alphitonia petriei	Wood		70.0	-0.4522833584058701	Jim Duke's personal files.
Alphitonia macrocarpa	Leaf		4600.0	0.13537096408844368	Jim Duke's personal files.
Alphitonia excelsa	Wood		500.0	-0.21003770422528079	Jim Duke's personal files.
Alphitonia whitei	Leaf		4900.0	0.20919516087441817	Jim Duke's personal files.
Alphitonia petriei	Leaf		6200.0	0.5291000136136409	Jim Duke's personal files.
Alphitonia excelsa	Leaf		8700.0	1.1443016534967614	Jim Duke's personal files.
Alphitonia whitei	Bark		5100.0	-0.01054610923016492	Jim Duke's personal files.
Alphitonia macrocarpa	Wood		110.0	-0.42974887894721064	Jim Duke's personal files.
Alphitonia petriei	Bark		6900.0	0.23289698086964322	Jim Duke's personal files.
Alphitonia excelsa	Bark		8400.0	0.43576622261948333	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Alphitonia whitei	Wood		720.0	-0.08609806720265378	Jim Duke's personal files.
Alstonia scholaris	Stem Bark				Jim Duke's personal files.
Alyxia buxifolia	Leaf		8000.0	0.9720451943294877	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Alyxia buxifolia	Leaf		8000.0	0.9720451943294877	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Amanoa oblongifolia	Stem Bark		87.6	-0.3915162563379881	Jim Duke's personal files.
Ammannia baccifera	Root		1636.4	-0.21196697981673712	Jim Duke's personal files.
Amoora canarana	Root				Jim Duke's personal files.
Ampelozizyphus amazonicus	Root				Jim Duke's personal files.
Amsonia grandiflora	Shoot				Jim Duke's personal files.
Anemone narcissiflora	Plant				Jim Duke's personal files.
Anisomeles malabarica	Plant		100.0	-0.6274437555409019	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Anisomeles malabarica	Plant		100.0	-0.6274437555409019	Jim Duke's personal files.
Arbutus unedo	Leaf				Jim Duke's personal files.
Arbutus menziesii	Plant		20000.0	2.0548614507456606	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Arbutus unedo	Stem Bark				Jim Duke's personal files.
Arbutus menziesii	Plant		20000.0	2.0548614507456606	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Arctostaphylos uva-ursi	Root				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Arctostaphylos uva-ursi	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Artocarpus integrifolia</i>	Root Bark				Jim Duke's personal files.
<i>Artocarpus integrifolia</i>	Heart Wood		3000.0	1.4123159223439854	Jim Duke's personal files.
<i>Artocarpus integrifolia</i>	Root				Jim Duke's personal files.
<i>Artocarpus heterophyllus</i>	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Aspidixia angulata</i>	Plant				Jim Duke's personal files.
<i>Avicennia officinalis</i>	Leaf		500.0	-0.873559725319874	Jim Duke's personal files.
<i>Avicennia marina</i>	Bark		3000.0	-0.29456304767994107	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.
<i>Avicennia officinalis</i>	Shoot				Jim Duke's personal files.
<i>Avicennia alba</i>	Stem Bark		160.0	-0.3604140801133888	Jim Duke's personal files.
<i>Avicennia marina</i>	Bark		3000.0	-0.29456304767994107	Jim Duke's personal files.
<i>Avicennia officinalis</i>	Stem Bark		1450.0	0.19375452941330984	Jim Duke's personal files.
<i>Avicennia tomentosa</i>	Stem Bark		100.0	-0.38618936427742134	Jim Duke's personal files.
<i>Balanops australiana</i>	Bark		90.0	-0.6881293766746309	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.
<i>Balanops australiana</i>	Bark		90.0	-0.6881293766746309	Jim Duke's personal files.
<i>Bauhinia vahlii</i>	Leaf				Jim Duke's personal files.
<i>Betula pendula</i>	Bark		2100.0	-0.41628459272984514	Jim Duke's personal files.
<i>Betula</i> sp.	Bark				Jim Duke's personal files.
<i>Betula maximowicziana</i>	Bark		6000.0	0.11117543581973915	Jim Duke's personal files.
<i>Betula lenta</i>	Bark				Jim Duke's personal files.
<i>Betula platyphylla</i>	Bark				Jim Duke's personal files.
<i>Betula ermanii</i>	Bark				Jim Duke's personal files.
<i>Betula pendula</i>	Bark		2100.0	-0.41628459272984514	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Betula utilis	Plant				Jim Duke's personal files.
Betula papyrifera	Bark				Jim Duke's personal files.
Bischofia javanica	Plant				Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Bischofia javanica	Bark				Jim Duke's personal files.
Boehmeria excelsa	Bark				Jim Duke's personal files.
Bonnetia dinizii	Bark		103.7	-0.6862765042666491	Jim Duke's personal files.
Bonnetia dinizii	Wood		48.0	-0.4646773221081328	Jim Duke's personal files.
Bowdichia virgilioides	Stem Bark		60.0	-0.403372887053443	Jim Duke's personal files.
Broussonetia papyrifera	Stem				Jim Duke's personal files.
Buxus wallichiana	Shoot				Jim Duke's personal files.
Buxus microphylla	Shoot				Jim Duke's personal files.
Byrsonima crassifolia	Leaf		3.4	-0.9957633790662571	Jim Duke's personal files.
Caesalpinia decapetala	Root		1.2	-0.3402359478414311	Jim Duke's personal files.
Callicarpa arborea	Bark				Jim Duke's personal files.
Callistemon lanceolatus	Leaf				Jim Duke's personal files.
Calophyllum macrocarpum	Stem Bark		20.0	-0.4205564098294647	Jim Duke's personal files.
Calophyllum apetalum	Bark				Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Calophyllum lankaensis	Bark		1000.0	-0.5650553700130613	Jim Duke's personal files.
Calophyllum bracteatum	Wood		30.0	-0.4748178378645295	Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Calophyllum apetalum	Bark				Jim Duke's personal files.
Calophyllum tomentosum	Bark		1000.0	-0.5650553700130613	Jim Duke's personal files.
Calophyllum bracteatum	Wood		30.0	-0.4748178378645295	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Camptotheca acuminata</i>	Fruit				Jim Duke's personal files.
<i>Caraipa grandifolia</i>	Wood				Jim Duke's personal files.
<i>Caraipa densiflora</i>	Wood				Jim Duke's personal files.
<i>Caraipa densifolia</i>	Bark		103.0	-0.6863711765794657	Jim Duke's personal files.
<i>Caraipa grandifolia</i>	Twig				Jim Duke's personal files.
<i>Caraipa grandifolia</i>	Wood				Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.
<i>Caraipa densiflora</i>	Wood				Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.
<i>Careya arborea</i>	Bark				Jim Duke's personal files.
<i>Carya ovata</i>	Stem Bark				Jim Duke's personal files.
<i>Cassia obtusifolia</i>	Root		5000.0	0.05188178537887253	Jim Duke's personal files.
<i>Cassinia laevis</i>	Shoot		847.0	-0.07491188355770104	Jim Duke's personal files.
<i>Ceanothus americanus</i>	Root Bark		200.0	-0.889923353010062	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.
<i>Ceanothus americanus</i>	Root Bark	200.0	7279.0	1.9150013635744354	Jim Duke's personal files.
<i>Ceanothus velutinus</i>	Root Bark				Jim Duke's personal files.
<i>Centella asiatica</i>	Plant		1100.0	-0.49265454919484347	Jim Duke's personal files.
<i>Chamaecrista greggii</i>	Root		14.8	-0.3391691315711671	Jim Duke's personal files.
<i>Claoxylon polot</i>	Leaf		10.0	-0.9941392467369656	Jim Duke's personal files.
<i>Clinopodium umbrosum</i>	Plant				Jim Duke's personal files.
<i>Clusia sp.</i>	Wood				Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. <i>Phytochem.</i> 13:2002-2006.
<i>Clusia sp.</i>	Wood				Jim Duke's personal files.
<i>Clusia arborecida</i>	Wood		60.8	-0.4574662886813618	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coccoloba excoriata	Leaf				Jim Duke's personal files.
Coccoloba excoriata	Bark				Jim Duke's personal files.
Colubrina granulosa	Heart Wood				Jim Duke's personal files.
Combretum imberbe	Bark				Jim Duke's personal files.
Cornus florida	Bark		20000.0	2.0046216921515803	Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Cornus capitata	Stem		163.3	0.05211988867859662	Jim Duke's personal files.
Cornus florida	Bark		20000.0	2.0046216921515803	Jim Duke's personal files.
Cotylelobium scabriusculum	Wood		170.0	-0.39594715975922146	Jim Duke's personal files.
Crateva religiosa	Stem Bark				Jim Duke's personal files.
Crotalaria semperflorans	Shoot				Jim Duke's personal files.
Cuphea carthagenensis	Shoot		42.5	-0.2713088229632809	Jim Duke's personal files.
Cuphea infundibulum	Shoot		22.3	-0.2762401072093874	Jim Duke's personal files.
Cuphea epilobifolia	Shoot		22.0	-0.2763133441041316	Jim Duke's personal files.
Datura innoxia	Tissue Culture				Jim Duke's personal files.
Dendroseris neriifolia	Shoot				Jim Duke's personal files.
Dichrostachys glomerata	Bark		35.0	-0.6955679155387917	Jim Duke's personal files.
Dicoma tomentosa	Stem				Jim Duke's personal files.
Dillenia retusa	Leaf		8500.0	1.0950855223061118	Jim Duke's personal files.
Dillenia retusa	Bark		8000.0	0.3816677581528593	--
Dillenia indica	Pericarp		1900.0	-0.5970568714900898	Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Dillenia indica	Heart Wood				Jim Duke's personal files.
Dillenia indica	Bark		7500.0	0.31404467756957927	Jim Duke's personal files.
Dillenia pentagyna	Leaf		9800.0	1.4149903750453345	Jim Duke's personal files.
Dillenia anhamanica	Leaf		5000.0	0.23380322646974297	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Dillenia retusa	Fruit		1600.0	-0.48233808340381334	Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Dillenia indica	Wood		2500.0	0.916686268707692	--
Dillenia indica	Pericarp		19000.0	1.408772696777206	Jim Duke's personal files.
Dillenia indica	Fruit				Jim Duke's personal files.
Dillenia bracteata	Leaf		5800.0	0.4306677512323416	Jim Duke's personal files.
Dillenia retusa	Wood		1300.0	0.24065188494790832	--
Dillenia retusa	Fruit		16000.0	2.0342084387030384	Jim Duke's personal files.
Dillenia indica	Stem Bark				Jim Duke's personal files.
Dillenia indica	Leaf		6000.0	0.4798838824229912	Jim Duke's personal files.
Dillenia indica	Bark		13000.0	1.05789856398566	--
Dillenia scabrella	Leaf		5750.0	0.4183637184346792	Jim Duke's personal files.
Dillenia aurea	Leaf		7200.0	0.775180669566889	Jim Duke's personal files.
Diospyros montana	Seed				Jim Duke's personal files.
Diospyros derra	Plant				--
Diospyros lotus	Wood				Jim Duke's personal files.
Diospyros verrucosa	Stem Bark		2000.0	0.4300279675836079	Jim Duke's personal files.
Diospyros lotus	Root		20.0	-0.33876123123253665	Jim Duke's personal files.
Diospyros sumatrana	Wood				Jim Duke's personal files.
Diospyros melanoxylon	Leaf				Jim Duke's personal files.
Diospyros discolour	Fruit		500.0	-0.6745742760647534	--
Diospyros spinescens	Bark		4320.0	-0.11603811494008177	Jim Duke's personal files.
Diospyros zenkeri	Wood		60.0	-0.45791697827053496	Jim Duke's personal files.
Diospyros montana	Stem Bark				Jim Duke's personal files.
Diospyros wallichii	Bark				Jim Duke's personal files.
Diospyros montana	Bark		15300.0	1.3689647346687481	Jim Duke's personal files.
Diospyros siderophylla	Bark				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Diospyros mespiliformis	Bark				Jim Duke's personal files.
Diospyros siamang	Wood				Jim Duke's personal files.
Diospyros iturensis	Bark		660.0	-0.6110390648096916	Jim Duke's personal files.
Diospyros quaesita	Wood		2200.0	0.7476776727677461	Jim Duke's personal files.
Diospyros hoyleana	Wood		280.0	-0.3339773412479078	Jim Duke's personal files.
Diospyros malanonilau	Heart Wood				Jim Duke's personal files.
Diospyros gracilescens	Stem Bark				Jim Duke's personal files.
Diospyros longiflora	Wood				Jim Duke's personal files.
Diospyros cinnabarina	Wood				Jim Duke's personal files.
Diospyros kamerunensis	Bark				Jim Duke's personal files.
Diospyros celebica	Wood				Jim Duke's personal files.
Diospyros fragrans	Wood				Jim Duke's personal files.
Diospyros perigrina	Seed				--
Diospyros argentea	Stem Bark				Jim Duke's personal files.
Diospyros ebum	Heart Wood				Jim Duke's personal files.
Diospyros morrisiana	Plant				--
Diospyros crassiflora	Bark				Jim Duke's personal files.
Diospyros melanoxylon	Stem Bark		100.0	-0.38618936427742134	Jim Duke's personal files.
Diospyros kaki	Leaf				Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Diospyros greenwayi	Leaf		60.0	-0.9818352139393033	Jim Duke's personal files.
Diospyros walkeri	Wood		1000.0	0.07164328900796241	Jim Duke's personal files.
Diospyros hirsuta	Fruit	20.0	200.0	-0.7270023286086461	--
Diospyros melanoxylon	Fruit				Jim Duke's personal files.
Diospyros discolour	Wood		800.0	-0.041029108285334875	Jim Duke's personal files.
Diospyros lotus	Shoot				Jim Duke's personal files.
Diospyros thwaitesii	Wood		480.0	-0.22130494395461053	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Diospyros consolatae	Stem Bark		160.0	-0.3604140801133888	Jim Duke's personal files.
Diospyros verrucosa	Root Bark		3800.0	0.5365110275103774	Jim Duke's personal files.
Diospyros lotus	Plant				--
Diospyros sumatrana	Bark				Jim Duke's personal files.
Diospyros buxifolia	Shoot				Jim Duke's personal files.
Diospyros moonii	Wood		80.0	-0.4466497385412052	Jim Duke's personal files.
Diospyros singaporensis	Wood				Jim Duke's personal files.
Diospyros zenkeri	Bark		646.7	-0.612837838753207	Jim Duke's personal files.
Diospyros montana	Leaf				Jim Duke's personal files.
Diospyros monbuttensis	Bark				Jim Duke's personal files.
Diospyros siamensis	Stem Bark				Jim Duke's personal files.
Diospyros japonica	Root				Jim Duke's personal files.
Diospyros siamang	Bark				Jim Duke's personal files.
Diospyros ismailii	Wood				Jim Duke's personal files.
Diospyros maritima	Root				Jim Duke's personal files.
Diospyros hoyleana	Bark		130.0	-0.6827195302279685	Jim Duke's personal files.
Diospyros maingayi	Wood				Jim Duke's personal files.
Diospyros consolatae	Root Bark		800.0	-0.6521842895899888	Jim Duke's personal files.
Diospyros longiflora	Bark		393.0	-0.6471497898411632	Jim Duke's personal files.
Diospyros cinnabarina	Bark		80.0	-0.6894818382862965	Jim Duke's personal files.
Diospyros gracilescens	Bark		60.0	-0.6921867615096277	Jim Duke's personal files.
Diospyros celebica	Heart Wood		268.6	-0.6427324014957494	Jim Duke's personal files.
Diospyros eriantha	Bark				Jim Duke's personal files.
Diospyros perigrina	Bark	25000.0	30000.0	3.357083303817181	--
Diospyros dendo	Wood				Jim Duke's personal files.
Diospyros morrisiana	Heart Wood				Jim Duke's personal files.
Diospyros abyssinica	Bark				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Diospyros kaki	Calyx				--
Diospyros ferrea	Shoot				Jim Duke's personal files.
Diospyros melanoxylon	Plant		50.0	-0.6341832158582048	Jim Duke's personal files.
Diospyros quaesita	Bark		2100.0	-0.41628459272984514	Jim Duke's personal files.
Diospyros hirsuta	Bark		100.0	-0.6867769150629653	--
Diospyros melanoxylon	Bark				Jim Duke's personal files.
Diospyros tomentosa	Shoot				Jim Duke's personal files.
Diospyros lotus	Stem Bark				Jim Duke's personal files.
Diospyros sylvatica	Bark				Jim Duke's personal files.
Diospyros discolor	Stem Bark				Jim Duke's personal files.
Diospyros natalensis	Leaf		24.0	-0.9906941175536201	Jim Duke's personal files.
Diospyros spinescens	Wood		210.0	-0.37341268030056196	Jim Duke's personal files.
Diospyros buxifolia	Plant				--
Diospyros montana	Wood		945.0	0.04065837975230565	Jim Duke's personal files.
Diospyros verrucosa	Leaf		8150.0	1.0089572927224748	Jim Duke's personal files.
Diospyros lotus	Bark				Jim Duke's personal files.
Diospyros wallichii	Wood				Jim Duke's personal files.
Diospyros montana	Fruit				Jim Duke's personal files.
Diospyros singaporensis	Bark				Jim Duke's personal files.
Diospyros mollis	Fruit				Jim Duke's personal files.
Diospyros siamensis	Bark				Jim Duke's personal files.
Diospyros iturensis	Wood				Jim Duke's personal files.
Diospyros sanza-minika	Bark				Jim Duke's personal files.
Diospyros ismailii	Fruit				Jim Duke's personal files.
Diospyros mannii	Stem Bark	76.2	77.6	-0.3958121370319935	Jim Duke's personal files.
Diospyros gracilescens	Wood				Jim Duke's personal files.
Diospyros maingayi	Bark				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Diospyros consolatae	Leaf		2000.0	-0.5044387413900017	Jim Duke's personal files.
Diospyros leucomelas	Leaf				Jim Duke's personal files.
Diospyros chevalieri	Bark				Jim Duke's personal files.
Diospyros gabunensis	Bark				Jim Duke's personal files.
Diospyros tomentosa	Plant				--
Diospyros canaliculata	Bark				Jim Duke's personal files.
Diospyros ebum	Stem Bark		80.0	-0.39478112566543216	Jim Duke's personal files.
Diospyros morrisiana	Root		200.0	-0.32464160412610016	Jim Duke's personal files.
Diospyros mafiensis	Leaf		200.0	-0.9473839221058485	Jim Duke's personal files.
Diospyros dendo	Bark		30.0	-0.6962441463446245	Jim Duke's personal files.
Diospyros melanoxyton	Wood	100.0	1000.0	0.07164328900796241	--
Diospyros kaki	Root				Jim Duke's personal files.
Diospyros hirsuta	Wood	130.0	400.0	-0.2663739028719294	--
Diospyros ferrea	Root				Jim Duke's personal files.
Diospyros melanoxyton	Heart Wood		100.0	-0.7695835208482349	Jim Duke's personal files.
Dipterocarpus zeylanicus	Wood				Jim Duke's personal files.
Dipterocarpus hispidus	Wood				Jim Duke's personal files.
Dipterocarpus insignis	Wood				Jim Duke's personal files.
Dipterocarpus hispidus	Bark		140.0	-0.6813670686163029	--
Dipterocarpus glandulosus	Wood				Jim Duke's personal files.
Discaria longispina	Plant				--
Echinops echinatus	Twig				Jim Duke's personal files.
Echinops echinatus	Flower				Jim Duke's personal files.
Echinops niveus	Plant				Jim Duke's personal files.
Ehretia laevis	Bark		150.0	-0.6800146070046373	Jim Duke's personal files.
Eleutherococcus senticosus	Rhizome				--
Enterolobium cyclocarpum	Bark		60.0	-0.6921867615096277	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Epilobium rosmarinifolium</i>	Root				Jim Duke's personal files.
<i>Erythrospermum zeylanicum</i>	Bark		110.0	-0.6854244534512997	Jim Duke's personal files.
<i>Eucalyptus citriodora</i>	Leaf				--
<i>Eucalyptus citriodora</i>	Root		167.0	-0.32723020242894685	--
<i>Eucalyptus citriodora</i>	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Euclea natalensis</i>	Leaf		200.0	-0.9473839221058485	Jim Duke's personal files.
<i>Eucommia ulmoides</i>	Bark				Jim Duke's personal files.
<i>Eugenia wallichii</i>	Stem Bark				--
<i>Eugenia jambolana</i>	Bark		1700.0	-0.47038305719646917	Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
<i>Eugenia fruticosa</i>	Stem Bark				--
<i>Euptelea polyandra</i>	Bark		240.0	-0.6678424524996469	Jim Duke's personal files.
<i>Eurya acuminata</i>	Bark		18000.0	1.7341293698184603	--
<i>Eurya japonica</i>	Stem				Jim Duke's personal files.
<i>Fagonia indica</i>	Plant				Jim Duke's personal files.
<i>Fagus taurica</i>	Bark				Jim Duke's personal files.
<i>Ficus thunbergii</i>	Stem		31.4	-0.33457711038616517	Jim Duke's personal files.
<i>Formosia benthamiana</i>	Stem				Jim Duke's personal files.
<i>Forsythia suspensa</i>	Fruit				Jim Duke's personal files.
<i>Forsythia viridissima</i>	Fruit				Jim Duke's personal files.
<i>Givotia rottleriformis</i>	Bark				Jim Duke's personal files.
<i>Glycyrrhiza glabra</i>	Tissue Culture				--
<i>Glycyrrhiza squamulosa</i>	Root		17.1	-0.3389887141136959	Jim Duke's personal files.
<i>Glycyrrhiza uralensis</i>	Root				--
<i>Gochnatia blanchetiana</i>	Shoot		166.0	-0.24115963462693646	Jim Duke's personal files.
<i>Gratifolia officianalis</i>	Plant		2500.0	-0.3039496603103617	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Gypsophila struthium</i>	Root		9.6	-0.33957703190979743	Jim Duke's personal files.
<i>Herpestis monniera</i>	Plant		1100.0	-0.49265454919484347	Jim Duke's personal files.
<i>Hibiscus mutabilis</i>	Flower				Jim Duke's personal files.
<i>Hoffmannia strigillosa</i>	Shoot		12.5	-0.2786325124376966	Jim Duke's personal files.
<i>Hopea cordifolia</i>	Bark		210.0	-0.6718998373346436	Jim Duke's personal files.
<i>Hopea jucunda</i>	Wood		160.0	-0.4015807796238863	Jim Duke's personal files.
<i>Hopea brevipetiolaris</i>	Wood				Jim Duke's personal files.
<i>Hopea cordifolia</i>	Wood		150.0	-0.40721439948855115	Jim Duke's personal files.
<i>Hydnocarpus wightiana</i>	Stem Bark		66.6	-0.4005376057953995	Jim Duke's personal files.
<i>Hydnocarpus venenata</i>	Bark		60.0	-0.6921867615096277	--
<i>Hydnocarpus wightiana</i>	Leaf		48.8	-0.9845913172859796	Jim Duke's personal files.
<i>Hydnocarpus wightiana</i>	Seed				Jim Duke's personal files.
<i>Hydnocarpus venenata</i>	Wood				Jim Duke's personal files.
<i>Hypericum androsaemum</i>	Root Bark				Jim Duke's personal files.
<i>Hypericum patulum</i>	Shoot				Jim Duke's personal files.
<i>Hypericum elatum</i>	Root Bark				Jim Duke's personal files.
<i>Hyptis albida</i>	Shoot		6.0	-0.28021931182382	Jim Duke's personal files.
<i>Hyptis emoryi</i>	Shoot				Jim Duke's personal files.
<i>Hyptis suaveolens</i>	Root				Jim Duke's personal files.
<i>Inga punctata</i>	Stem Bark				Jim Duke's personal files.
<i>Iris missouriensis</i>	Root				Jim Duke's personal files.
<i>Jacaranda caucana</i>	Stem Bark		110.0	-0.3818934835834159	Jim Duke's personal files.
<i>Jasminum sambac</i>	Leaf		100.0	-0.9719919877011733	Jim Duke's personal files.
<i>Juglans regia</i>	Stem Bark		40.0	-0.4119646484414538	Jim Duke's personal files.
<i>Jussiaea suffruticosa</i>	Plant				Jim Duke's personal files.
<i>Kayea stylosa</i>	Bark		100.0	-0.6867769150629653	--
<i>Lantana camara</i>	Shoot				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lavandula spica	Shoot		133.3	-0.24914245615404948	Jim Duke's personal files.
Lawsonia inermis	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Lawsonia inermis	Bark				--
Lemaireocereus hystrix	Plant		400.0	-0.5870069936370844	--
Lemaireocereus stellatus	Plant		3800.0	-0.12872369206048578	--
Lemaireocereus griseus	Plant		20000.0	2.0548614507456606	--
Lemaireocereus quevedonis	Stem				Jim Duke's personal files.
Lemaireocereus quevedonis	Plant				--
Lepechinia caulescens	Shoot		4.0	-0.28070755778878104	Jim Duke's personal files.
Lepechinia glomerata	Shoot				Jim Duke's personal files.
Lepechinia chamaedryoides	Shoot				Jim Duke's personal files.
Leptospermum scoparium	Bark		5000.0	-0.024070725346820927	--
Leptospermum ericoides	Bark				--
Lespedeza davidii	Stem Bark				Jim Duke's personal files.
Limnophila rugosa	Plant				Jim Duke's personal files.
Lithocarpus polystachya	Stem		1.6	-0.42194307378366236	Jim Duke's personal files.
Lithocarpus attenuata	Stem				Jim Duke's personal files.
Ludwigia parviflora	Plant				Jim Duke's personal files.
Luisia indivisa	Plant				Jim Duke's personal files.
Lycopus lucidus	Shoot				Jim Duke's personal files.
Machaerocereus gummosus	Plant		4000.0	-0.1017658507912741	--
Madhuca nerifolia	Bark	300.0	560.0	-0.6245636809263476	--
Madhuca microphylla	Bark		930.0	-0.5745226012947204	Jim Duke's personal files.
Maytenus canariensis	Shoot				Jim Duke's personal files.
Maytenus aquifolium	Plant				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melaleuca leucadendra	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Melaleuca leucadendron	Fruit		420.0	-0.6885550900764581	Jim Duke's personal files.
Melanoxydon brauna	Wood				--
Melanoxydon brauna	Bark		250.0	-0.6664899908879813	Jim Duke's personal files.
Menyanthes trifoliata	Root	1000.0	8000.0	0.2872089038194805	--
Menyanthes trifoliata	Rhizome		1000.0	1.0	--
Mesua myrtifolia	Bark		100.0	-0.6867769150629653	Jim Duke's personal files.
Mesua ferrea	Stem Bark		2120.0	0.4815785359116729	Jim Duke's personal files.
Metrosideros excelsa	Flower		1000.0	-0.4503961653937222	--
Mimusops littoralis	Bark				Jim Duke's personal files.
Mitrephora heyneana	Bark				Jim Duke's personal files.
Morus alba	Bark		1800.0	-0.45685844107981316	Jim Duke's personal files.
Morus alba	Root Bark		150.0	-0.9097349416284014	Jim Duke's personal files.
Morus serrata	Bark				Jim Duke's personal files.
Nerium oleander	Leaf				Jim Duke's personal files.
Newcastelia viscida	Plant				Jim Duke's personal files.
Nuytsia floribunda	Shoot		17000.0	3.8684066524501692	--
Nymphoides peltatum	Plant				Jim Duke's personal files.
Ocimum canum	Shoot				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum americanum	Plant				Jim Duke's personal files.
Origanum compactum	Shoot		70.0	-0.2645954409450666	Jim Duke's personal files.
Paeonia japonica	Tissue Culture		5000.0	-1.0	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Palaquium grande	Bark		7.0	-0.6993548080514553	Jim Duke's personal files.
Pedicularis longiflora	Plant				Jim Duke's personal files.
Phyllanthus reticulatus	Stem		3.3	-0.4169591094287716	Jim Duke's personal files.
Phyllanthus discoideus	Root				Jim Duke's personal files.
Picramnia sellowii	Plant				Jim Duke's personal files.
Platanus orientalis	Pericarp				Jim Duke's personal files.
Platanus occidentalis	Bark		17500.0	1.6665062892351803	Jim Duke's personal files.
Platanus orientalis	Exocarp				Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Platanus accrifolia	Bark		18000.0	1.7341293698184603	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Platanus acerifolia	Bark		18000.0	1.7341293698184603	Jim Duke's personal files.
Platanus vulgaris	Heart Wood				--
Platanus orientalis	Bark		17500.0	1.6665062892351803	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Plectranthus urticifolius	Plant				Jim Duke's personal files.
Plumeria obtusa	Leaf		3.4	-0.9957633790662571	Jim Duke's personal files.
Polygonum plebeium	Flower		75.0	-0.9357745572257916	Jim Duke's personal files.
Pongamia pinnata	Stem Bark		45.0	-0.40981670809445114	Jim Duke's personal files.
Pouteria torta	Twig		15.0	-1.0	Jim Duke's personal files.
Prunella vulgaris	Root		738.0	-0.2824396075524178	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Prunella vulgaris	Shoot		2.88	-0.2809809755291592	--
Psophocarpus tetragonolobus	Root		53000.0	3.8171156804285995	Jim Duke's personal files.
Psychotria adenophylla	Leaf				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Punica granatum</i>	Bark		1500.0	-0.4974322894297812	--
<i>Punica granatum</i>	Leaf		2000.0	-0.5044387413900017	--
<i>Putoria calabrica</i>	Shoot				Jim Duke's personal files.
<i>Pygeum acuminatum</i>	Stem Bark				Jim Duke's personal files.
<i>Quercus championi</i>	Stem		3.3	-0.4169591094287716	Jim Duke's personal files.
<i>Quercus suber</i>	Cork				--
<i>Quercus bambusaefolia</i>	Stem		3.7	-0.4157864119335033	Jim Duke's personal files.
<i>Quercus myrsinaefolia</i>	Stem		1.1	-0.4234089456527479	Jim Duke's personal files.
<i>Rhododendron falconeri</i>	Bark				Jim Duke's personal files.
<i>Rhododendron arboreum</i>	Bark				--
<i>Rhododendron grande</i>	Bark				--
<i>Rhodomyrtus tomentosa</i>	Stem		2.0	-0.42077037628839403	Jim Duke's personal files.
<i>Rhodomyrtus tomentosa</i>	Leaf		4.0	-0.9956157306726852	Jim Duke's personal files.
<i>Rosa woodsii</i>	Leaf		3.0	-0.9958618113286384	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
<i>Rosa davurica</i>	Pericarp		70.0	-0.8117158252871163	Jim Duke's personal files.
<i>Rosmarinus officinalis</i>	Leaf				--
<i>Rotala floribunda</i>	Plant				Jim Duke's personal files.
<i>Salvia longistyla</i>	Shoot		28.2	-0.2747997816127524	Jim Duke's personal files.
<i>Salvia nicolsoniana</i>	Shoot		58.7	-0.2673540306470965	Jim Duke's personal files.
<i>Salvia farinacea</i>	Shoot				Jim Duke's personal files.
<i>Salvia mexicana</i>	Plant				Jim Duke's personal files.
<i>Salvia triloba</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Sambucus nigra</i>	Bark				--
<i>Sambucus racemosa</i>	Bark				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sanguisorba officinalis	Stem		1100.0	2.7982842482234207	Jim Duke's personal files.
Sarracenia flava	Root				--
Sarracenia flava	Flower				--
Sarracenia flava	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Sarracenia flava	Shoot				--
Schefflera octophylla	Leaf				Jim Duke's personal files.
Schefflera species	Leaf				Jim Duke's personal files.
Schefflera venulosa	Leaf		200.0	-0.9473839221058485	Jim Duke's personal files.
Schleichera oleosa	Bark				Jim Duke's personal files.
Schrebera swietenoides	Fruit				Jim Duke's personal files.
Scirpus tuberosus	Root				Jim Duke's personal files.
Scirpus fluviatilis	Rhizome		27.0	-1.0	Jim Duke's personal files.
Scoparia dulcis	Plant		500.0	-0.5735280730024785	Jim Duke's personal files.
Scoparia dulcis	Root				Jim Duke's personal files.
Senna lindheimeriana	Root		50.4	-0.3363765830990052	Jim Duke's personal files.
Shorea magistophylla	Bark		20.0	-0.6975966079562901	Jim Duke's personal files.
Shorea stipularvis	Bark		710.0	-0.6042767567513636	Jim Duke's personal files.
Shorea dyerii	Wood	300.0	430.0	-0.24947304327793485	Jim Duke's personal files.
Shorea zeylanica	Wood				Jim Duke's personal files.
Shorea ovalifolia	Wood				Jim Duke's personal files.
Shorea congestiflora	Wood				Jim Duke's personal files.
Shorea affinis	Wood	100.0	720.0	-0.08609806720265378	Jim Duke's personal files.
Shorea trapezifolia	Wood				Jim Duke's personal files.
Shorea oblongifolia	Wood				Jim Duke's personal files.
Solanum aviculare	Tissue Culture		30000.0	1.0	Jim Duke's personal files.
Solanum laciniatum	Leaf				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Sorocea bonplandii</i>	Root		13.1	-0.33930248360495	Jim Duke's personal files.
<i>Spondianthus preussii</i>	Stem Bark		12000.0	4.725908661589024	Jim Duke's personal files.
<i>Stemonoporus oblongifolius</i>	Wood				Jim Duke's personal files.
<i>Stemonoporus affinis</i>	Wood				Jim Duke's personal files.
<i>Stemonoporus reticulatus</i>	Wood				Jim Duke's personal files.
<i>Stemonoporus cordifolius</i>	Wood				Jim Duke's personal files.
<i>Stemonoporus petiolaris</i>	Wood				Jim Duke's personal files.
<i>Stemonoporus canaliculatus</i>	Wood				Jim Duke's personal files.
<i>Symplocos racemosa</i>	Plant				Jim Duke's personal files.
<i>Syncarpia glomulifera</i>	Wood				Jim Duke's personal files.
<i>Syncarpia glomulifera</i>	Bark		12000.0	0.9226524028190999	Jim Duke's personal files.
<i>Syncarpia laurifolia</i>	Bark		12000.0	0.9226524028190999	--
<i>Syzygium claviflorum</i>	Leaf				Jim Duke's personal files.
<i>Syzygium cumini</i>	Leaf				Jim Duke's personal files.
<i>Syzygium claviflorum</i>	Leaf		205.0	-0.9461535188260822	--
<i>Syzygium cumini</i>	Bark		1700.0	-0.47038305719646917	Jim Duke's personal files.
<i>Syzygium cumini</i>	Stem Bark		1100.0	0.04339870512312027	Jim Duke's personal files.
<i>Tacca aspera</i>	Tuber				Jim Duke's personal files.
<i>Talguenea quinquenervis</i>	Plant				Jim Duke's personal files.
<i>Tectona grandis</i>	Wood		10000.0	5.141901167206339	--
<i>Tectona grandis</i>	Stem Bark				Jim Duke's personal files.
<i>Tectona grandis</i>	Root		290.0	-0.31758179057288194	Jim Duke's personal files.
<i>Tephrosia purpurea</i>	Plant		30.0	-0.636878999985126	Jim Duke's personal files.
<i>Terminalia alata</i>	Bark		130.0	-0.6827195302279685	Jim Duke's personal files.
<i>Terminalia catappa</i>	Bark				Diyabalanaga, T. K. K., Jayasinghe, U. L. B., Simmonds, P. M., Wannigama, G. P., Wickramasinghe, A. 1997. Chemical Investigation of <i>Terminalia catappa</i> . <i>Acgc. Chem. Res. Commun.</i> 6: 26-28.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Terminalia alata</i>	Heart Wood				Jim Duke's personal files.
<i>Ternstroemia gymnanthera</i>	Shoot				Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
<i>Ternstromia merrilliana</i>	Bark		20000.0	2.0046216921515803	--
<i>Tetracera sarmentosa</i>	Leaf		12300.0	2.030192014928455	Jim Duke's personal files.
<i>Tetracera indica</i>	Leaf		6000.0	0.4798838824229912	Jim Duke's personal files.
<i>Tetracera scandens</i>	Leaf		13500.0	2.325488802072353	Jim Duke's personal files.
<i>Tetracera akara</i>	Leaf		10500.0	1.5872468342126083	Jim Duke's personal files.
<i>Tovomita excelsa</i>	Wood		83.9	-0.44445262679398584	Jim Duke's personal files.
<i>Tovomita pyrifolia</i>	Wood				Jim Duke's personal files.
<i>Tovomita brasiliensis</i>	Wood				Jim Duke's personal files.
<i>Tovomita mangle</i>	Root				Jim Duke's personal files.
<i>Triadenum japonicum</i>	Plant				Jim Duke's personal files.
<i>Vatica affinis</i>	Wood	300.0	740.0	-0.07483082747332406	Jim Duke's personal files.
<i>Vauquelinia corymbosa</i>	Shoot		41.0	-0.27167500743700174	Jim Duke's personal files.
<i>Vellozia declinans</i>	Shoot				Jim Duke's personal files.
<i>Vellozia declinans</i>	Stem				Jim Duke's personal files.
<i>Viscum articulatum</i>	Plant				Jim Duke's personal files.
<i>Viscum album</i>	Shoot		5.4	-0.2803657856133084	Jim Duke's personal files.
<i>Viscum album</i>	Leaf				Jim Duke's personal files.
<i>Vismia micrantha</i>	Wood		280.0	-0.3339773412479078	Jim Duke's personal files.
<i>Vismia cayennensis</i>	Wood				Jim Duke's personal files.
<i>Vitis vinifera</i>	Root				--
<i>Wisteria floribunda</i>	Wood				Jim Duke's personal files.
<i>Wisteria floribunda</i>	Bark				Jim Duke's personal files.
<i>Woodfordia floribunda</i>	Leaf		24.4	-0.9905956852912389	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Wormia triquetra	Flower		4500.0	1.3861707226195137	--
Wormia burbidgei	Bark		24000.0	2.5456063368178206	--
Wormia triquetra	Bark		16000.0	1.4636370474853402	--
Wormia triquetra	Wood		1500.0	0.3533242822412056	--
Wormia triquetra	Fruit		10000.0	0.9856473878251835	--
Ziziphus joazeiro	Bark				Jim Duke's personal files.
Ziziphus joazeiro	Stem Bark		1200.0	0.08635751206317442	Jim Duke's personal files.
Zizyphus trinervia	Stem Bark		780.0	-0.09406947708505305	Jim Duke's personal files.
Zizyphus jujuba	Wood				Jim Duke's personal files.
Zizyphus rugosa	Plant				Jim Duke's personal files.
Zizyphus jujuba	Plant				--
Zizyphus oenoplia	Root Bark		2446.8	3.301931436392309E-4	Jim Duke's personal files.
Zizyphus mauritiana	Bark		60.0	-0.6921867615096277	Jim Duke's personal files.
Zizyphus vulgaris	Seed				Pavannasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Zizyphus trinervia	Bark		20.0	-0.6975966079562901	Jim Duke's personal files.
Zizyphus jujuba	Seed				Jim Duke's personal files.
Zizyphus jujuba	Fruit	48.0	1800.0	-0.44738604837455154	Jim Duke's personal files.
Zizyphus rugosa	Bark				Jim Duke's personal files.
Zizyphus oenoplia	Bark				Jim Duke's personal files.
Zizyphus spina-christi	Plant				Jim Duke's personal files.
Zizyphus xylopyra	Stem Bark		869.0	-0.055836138908404845	Jim Duke's personal files.
Zizyphus rugosa	Stem Bark		644.0	-0.1524934545235267	Jim Duke's personal files.
Zizyphus jujuba	Stem Bark	15.6	768.0	-0.09922453391785954	Jim Duke's personal files.
Zizyphus jujuba	Bark		10000.0	0.6521600804859797	Jim Duke's personal files.
Zizyphus oenoplia	Root				Jim Duke's personal files.
Zizyphus nummularia	Stem Bark		116.6	-0.3790582023253724	Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zizyphus spina-christi	Leaf		60.0	-0.9818352139393033	Jim Duke's personal files.
Zizyphus oenoplia	Stem Bark		820.0	-0.07688595430903138	Jim Duke's personal files.