

## Dr. Duke's Phytochemical and Ethnobotanical Databases

### List of Plants for Cardiotoxic

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Abelmoschus esculentus</i>	1	81400.0
<i>Acacia senegal</i>	1	
<i>Acacia nilotica</i>	1	
<i>Acacia catechu</i>	1	
<i>Acanthopanax gracilistylis</i>	1	30600.0
<i>Achillea millefolium</i>	1	35600.0
<i>Achyranthes bidentata</i>	1	40000.0
<i>Aconitum napellus</i>	1	
<i>Aconitum carmichaelii</i>	2	340.0
<i>Acorus calamus</i>	1	32000.0
<i>Acrocomia totai</i>	1	
<i>Actaea racemosa</i>	1	
<i>Actaea dahurica</i>	1	
<i>Actinidia chinensis</i>	1	39200.0
<i>Aegle marmelos</i>	1	
<i>Aframomum melegueta</i>	1	
<i>Agathosma betulina</i>	1	23400.0
<i>Agrimonia eupatoria</i>	1	
<i>Akebia quinata</i>	1	4820.0
<i>Albizia julibrissin</i>	1	3980.0
<i>Alisma plantago-aquatica</i>	1	22400.0
<i>Allium schoenoprasum</i>	1	65750.0
<i>Allium sativum</i> var. <i>sativum</i>	1	100925.0
<i>Allium cepa</i>	1	44328.0
<i>Allium ampeloprasum</i>	1	59622.0
<i>Alocasia macrorrhiza</i>	1	18000.0
<i>Aloe vera</i>	1	1700.0

Plants with Activity Synergy	Chemical Count	Total PPM
Aloe spp.	1	
Althaea officinalis	1	24200.0
Amaranthus spinosus	1	
Amaranthus sp.	1	147006.0
Amomum xanthioides	1	56200.0
Amorphophallus konjac	1	3480.0
Amorphophallus campanulatus	1	56040.0
Amphicarpaea bracteata	1	
Anacardium occidentale	1	13630.0
Ananas comosus	1	28132.0
Anemarrhena asphodeloides	1	20200.0
Anethum graveolens	1	181144.0
Angelica sinensis	1	27500.0
Angelica laxiflora	1	40600.0
Angelica dahurica	1	53200.0
Annona squamosa	1	26580.0
Annona reticulata	1	45620.0
Annona muricata	1	72000.0
Annona cherimola	1	95800.0
Anogeissus latifolia	2	
Anthriscus cerefolium	1	102400.0
Apium graveolens	1	258980.0
Arachis hypogaea	1	50362.0
Aralia cordata	1	131900.0
Arctium lappa	1	33600.0
Arctostaphylos uva-ursi	2	7660.0
Areca catechu	1	13400.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Arisaema consanguineum</i>	1	360.0
<i>Aristolochia debilis</i>	1	43000.0
<i>Armoracia rusticana</i>	1	61150.0
<i>Arnica montana</i>	1	
<i>Artemisia vulgaris</i>	1	126000.0
<i>Artemisia herba-alba</i>	1	24800.0
<i>Artemisia dracunculus</i>	1	65438.0
<i>Artemisia capillaris</i>	1	44000.0
<i>Artocarpus heterophyllus</i>	1	30250.0
<i>Artocarpus altilis</i>	1	33400.0
<i>Arundo donax</i>	1	51000.0
<i>Asiasarum sieboldii</i>	1	36400.0
<i>Asiasarum heterotropoides</i>	1	36400.0
<i>Asimina triloba</i>	1	31452.0
<i>Aspalathus linearis</i>	1	
<i>Asparagus officinalis</i>	1	110400.0
<i>Asparagus lucidus</i>	1	12700.0
<i>Astragalus membranaceus</i>	1	18000.0
<i>Atractylodes ovata</i>	1	23400.0
<i>Atractylodes lancea</i>	1	12420.0
<i>Avena sativa</i>	1	99420.0
<i>Averrhoa carambola</i>	1	
<i>Averrhoa bilimbi</i>	1	
<i>Barosma betulina</i>	1	23400.0
<i>Belamcanda chinensis</i>	1	17880.0
<i>Benincasa hispida</i>	1	56900.0
<i>Berberis vulgaris</i>	1	8740.0

Plants with Activity Synergy	Chemical Count	Total PPM
Bertholletia excelsa	1	12658.0
Beta vulgaris	1	223596.0
Blechnum orientale	1	12300.0
Bletilla striata	1	14760.0
Boehmeria nivea	1	2600.0
Borago officinalis	1	134420.0
Brassica rapa	1	60000.0
Brassica pekinensis	1	163800.0
Brassica oleracea var. viridis l.	1	48514.0
Brassica oleracea var. sabellica l.	1	60000.0
Brassica oleracea var. italica	1	
Brassica oleracea var. gemmifera	1	58686.0
Brassica oleracea var. capitata l.	1	85000.0
Brassica oleracea var. botrytis l.	1	172700.0
Brassica oleracea	1	77780.0
Brassica nigra	1	56430.0
Brassica napus var. napobrassica	1	87700.0
Brassica chinensis	1	138286.0
Broussonetia papyrifera	1	14680.0
Bupleurum chinense	1	43200.0
Caesalpinia pulcherrima	1	
Cajanus cajan	1	71150.0
Camellia sinensis	1	35200.0
Camellia japonica	1	
Canavalia ensiformis	1	33200.0
Capsella bursa-pastoris	1	66780.0
Capsicum frutescens	1	68544.0

Plants with Activity Synergy	Chemical Count	Total PPM
Capsicum annuum	1	48500.0
Carica papaya	1	88535.0
Carthamus tinctorius	1	41500.0
Carum carvi	1	31330.0
Carya ovata	1	39522.0
Carya illinoensis	1	12484.0
Carya glabra	1	37400.0
Cassia tora	1	25400.0
Castanea sativa	1	17292.0
Castanea mollissima	1	16448.0
Castanea dentata	1	15082.0
Catalpa ovata	1	26000.0
Catha edulis	1	5400.0
Caulophyllum thalictroides	3	14500.0
Celosia cristata	1	41200.0
Centella asiatica	1	42563.0
Cephaelis ipecacuanha	1	61500.0
Chaenomeles lagenaria	1	26400.0
Chamaemelum nobile	1	26400.0
Chamissoa altissima	1	
Chenopodium album	1	174200.0
Chondrus crispus	1	26620.0
Chrysanthemum parthenium	1	45000.0
Chrysanthemum coronarium	1	232260.0
Chrysophyllum cainito	1	
Cicer arietinum	1	20440.0
Cichorium intybus	1	103256.0

Plants with Activity Synergy	Chemical Count	Total PPM
Cichorium endivia	1	192000.0
Cimicifuga racemosa	1	20600.0
Cimicifuga dahurica	1	37200.0
Cinchona spp	1	
Cinnamomum verum	1	12000.0
Cinnamomum sieboldii	1	26000.0
Cinnamomum burmannii	1	12000.0
Cinnamomum aromaticum	1	31000.0
Cistanche salsa	1	34200.0
Citrullus lanatus	1	36000.0
Citrus sinensis	1	27544.0
Citrus reticulata	1	26254.0
Citrus paradisi	1	62560.0
Citrus medica	1	31000.0
Citrus limon	1	29400.0
Citrus aurantium	1	27600.0
Citrus aurantiifolia	1	19066.0
Cnicus benedictus	1	52000.0
Cnidium officinale	1	17500.0
Cocos nucifera	1	22982.0
Coix lacryma-jobi	1	4720.0
Colocasia esculenta	1	147068.0
Coptis spp	1	13680.0
Coptis japonica	1	13680.0
Coptis chinensis	1	13680.0
Corchorus olitorius	1	91000.0
Coriandrum sativum	1	125916.0

Plants with Activity Synergy	Chemical Count	Total PPM
Cornus officinalis	1	39000.0
Corylus avellana	1	20866.0
Crataegus rhipidophylla	1	
Crataegus laevigata	1	22000.0
Crataegus cuneata	1	23800.0
Cucumis sativus	1	145000.0
Cucumis melo	1	88000.0
Cucurbita spp	1	61710.0
Cucurbita pepo	1	185962.0
Cucurbita foetidissima	1	
Cuminum cyminum	1	41832.0
Curcuma longa	1	82542.0
Cyamopsis tetragonoloba	1	
Cydonia oblonga	1	24320.0
Cymbopogon citratus	1	46000.0
Cynanchum atratum	1	26400.0
Cynara cardunculus	1	59560.0
Cyperus rotundus	1	20200.0
Cypripedium pubescens	1	18680.0
Cyrtosperma chamissonis	1	5150.0
Daucus carota	1	92720.0
Dendrobium nobile	1	14400.0
Dioscorea villosa	1	
Dioscorea sp.	1	10840.0
Dioscorea pentaphylla	1	50700.0
Dioscorea bulbifera	1	7140.0
Dioscorea alata	1	30080.0

Plants with Activity Synergy	Chemical Count	Total PPM
Diospyros virginiana	1	81820.0
Dipsacus fullonum	1	
Drynaria fortunei	1	33800.0
Dryopteris filix-mas	1	30000.0
Durio zibethinus	1	
Echinacea spp	1	16180.0
Echinacea purpurea	1	
Elaeagnus umbellatus	1	
Eleocharis dulcis	1	
Elettaria cardamomum	1	25714.0
Eleutherococcus senticosus	1	
Elytrigia repens	1	19560.0
Ephedra spp	1	26600.0
Ephedra sinica	1	26400.0
Equisetum hyemale	1	29800.0
Equisetum arvense	1	33600.0
Eriobotrya japonica	1	86264.0
Eriocaulon sp	1	12100.0
Eriodictyon californicum	1	
Erythroxyllum novogranatense	1	20800.0
Erythroxyllum coca	1	43200.0
Eucalyptus globulus	1	
Eucommia ulmoides	1	12340.0
Euodia rutaecarpa	1	29200.0
Eupatorium perfoliatum	2	
Euphrasia officinalis	1	26000.0
Fagopyrum esculentum	1	8960.0



Plants with Activity Synergy	Chemical Count	Total PPM
Fallopia japonica	1	44000.0
Feijoa sellowiana	1	
Ficus carica	1	23324.0
Firmiana simplex	1	29000.0
Foeniculum vulgare	1	118200.0
Forsythia suspensa	1	19120.0
Fragaria spp	2	45000.0
Frangula purshiana	1	7960.0
Frangula alnus	1	
Fraxinus rhynchophylla	1	12160.0
Fritillaria thunbergii	1	11960.0
Fucus vesiculosus	1	42200.0
Garcinia mangostana	1	
Gardenia jasminoides	1	30600.0
Gastrodia elata	1	25800.0
Genipa americana	1	64600.0
Gentiana scabra	1	17960.0
Gentiana lutea	1	17540.0
Geranium thunbergii	2	29800.0
Ginkgo biloba	1	22788.0
Glechoma hederacea	1	92000.0
Glehnia littoralis	1	27800.0
Glycine max	1	106562.0
Glycyrrhiza uralensis	1	6280.0
Glycyrrhiza glabra	1	22800.0
Gymnema sylvestre	1	
Hamamelis virginiana	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Harpagophytum procumbens	1	19820.0
Hedera helix	1	
Helianthus tuberosus	1	79400.0
Helianthus annuus	1	14560.0
Hibiscus sabdariffa	1	18800.0
Hordeum vulgare	1	170060.0
Houttuynia cordata	1	108600.0
Humulus lupulus	1	43850.0
Hydrangea arborescens	1	31620.0
Hydrastis canadensis	1	12360.0
Hyoscyamus niger	1	11360.0
Inula helenium	2	
Ipomoea batatas	1	115992.0
Ipomoea aquatica	1	98400.0
Isatis tinctoria	1	32600.0
Juglans regia	1	13740.0
Juglans nigra	1	40624.0
Juglans cinerea	1	14986.0
Juncus effusus	1	15240.0
Juniperus virginiana	1	28160.0
Juniperus communis	2	19140.0
Jussiaea repens	1	38400.0
Lablab purpureus	1	41550.0
Lactuca sativa	1	243600.0
Lagenaria siceraria	1	67270.0
Lantana camara	1	18000.0
Larrea tridentata	1	27400.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Lens culinaris</i>	1	43870.0
<i>Lepidium sativum</i>	1	114340.0
<i>Lepidium meyenii</i>	1	
<i>Ligustrum lucidum</i>	1	33600.0
<i>Ligustrum japonicum</i>	1	33600.0
<i>Linum usitatissimum</i>	1	64818.0
<i>Liquidambar styraciflua</i>	1	104920.0
<i>Lobelia inflata</i>	1	25200.0
<i>Lonicera japonica</i>	1	40200.0
<i>Lophatherum gracile</i>	1	44800.0
<i>Luffa aegyptiaca</i>	1	55600.0
<i>Lupinus albus</i>	1	22600.0
<i>Lycium chinense</i>	1	149236.0
<i>Lycopersicon esculentum</i>	1	211600.0
<i>Lycopodium clavatum</i>	1	36000.0
<i>Lygodium japonicum</i>	1	14760.0
<i>Macadamia spp</i>	1	7570.0
<i>Magnolia officinalis</i>	1	5120.0
<i>Magnolia kobus</i>	1	19560.0
<i>Magnolia fargesii</i>	1	19560.0
<i>Magnolia denudata</i>	1	19560.0
<i>Malpighia glabra</i>	1	48690.0
<i>Malus domestica</i>	1	24280.0
<i>Mammea americana</i>	1	
<i>Mangifera indica</i>	1	18950.0
<i>Manihot esculenta</i>	1	48520.0
<i>Manilkara zapota</i>	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Medicago sativa	1	32300.0
Mentha x rotundifolia	1	34200.0
Mentha x piperita	1	45200.0
Mentha spicata	1	
Mentha pulegium	1	30620.0
Mentha arvensis var. piperascens	1	70200.0
Mimosa pudica	1	22800.0
Momordica charantia	1	156234.0
Morinda sp	1	11320.0
Moringa oleifera	1	
Morus alba	1	30806.0
Muntingia calabura	1	
Murraya sp	1	31224.0
Murraya koenigii	1	
Musa x paradisiaca	1	31781.0
Myrciaria dubia	1	
Myrica cerifera	1	3920.0
Myristica fragrans	1	19680.0
Nardostachys chinensis	1	21600.0
Nasturtium officinale	1	132000.0
Nelumbo nucifera	1	103154.0
Nepeta cataria	1	47000.0
Nigella sativa	1	11640.0
Notopterygium incisum	1	20400.0
Nyssa sylvatica	1	69440.0
Ocimum basilicum	1	85800.0
Oenothera biennis	1	85354.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Olea europaea</i>	1	5046.0
<i>Ophiopogon japonicus</i>	1	21200.0
<i>Opuntia ficus-indica</i>	1	21870.0
<i>Origanum vulgare</i>	1	37294.0
<i>Origanum majorana</i>	1	34450.0
<i>Oryza sativa</i>	1	30062.0
<i>Pachira macrocarpa</i>	1	14000.0
<i>Pachyrhizus erosus</i>	1	32260.0
<i>Paeonia suffruticosa</i>	1	13400.0
<i>Paeonia moutan</i>	1	13400.0
<i>Paeonia lactiflora</i>	1	15720.0
<i>Panax quinquefolius</i>	1	67600.0
<i>Panax japonicus</i>	1	22000.0
<i>Panax ginseng</i>	1	13130.0
<i>Panicum maximum</i>	1	
<i>Papaver somniferum</i>	1	16358.0
<i>Parthenium integrifolium</i>	1	
<i>Passiflora incarnata</i>	1	
<i>Passiflora foetida</i>	1	
<i>Passiflora edulis</i>	1	
<i>Pastinaca sativa</i>	1	80000.0
<i>Pausinystalia johimbe</i>	1	
<i>Peperomia pereskiiifolia</i>	1	
<i>Peperomia pelucida</i>	1	
<i>Perideridia gairdneri</i>	1	25800.0
<i>Perilla frutescens</i>	1	145058.0
<i>Persea americana</i>	1	54940.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Petasites japonicus</i>	1	107800.0
<i>Petroselinum crispum</i>	1	107666.0
<i>Peucedanum decursivum</i>	1	59200.0
<i>Phaseolus vulgaris</i>	1	199356.0
<i>Phaseolus lunatus</i>	1	78000.0
<i>Phaseolus coccineus</i>	1	71614.0
<i>Phaseolus acutifolius</i>	1	
<i>Phellodendron amurense</i>	1	8740.0
<i>Phoenix dactylifera</i>	3	97840.0
<i>Phyllanthus emblica</i>	2	27920.0
<i>Phyllanthus acidus</i>	1	31790.0
<i>Physalis peruviana</i>	1	37420.0
<i>Physalis ixocarpa</i>	1	72500.0
<i>Phytelephas aequatorialis</i>	1	
<i>Pimenta dioica</i>	1	
<i>Pimpinella anisum</i>	1	31846.0
<i>Pinellia ternata</i>	1	3880.0
<i>Pinus pinea</i>	1	
<i>Pinus edulis</i>	1	
<i>Pinus echinata</i>	1	16800.0
<i>Piper nigrum</i>	1	30154.0
<i>Pistacia vera</i>	1	22986.0
<i>Pisum sativum</i>	1	127534.0
<i>Plantago psyllium</i>	1	16220.0
<i>Plantago major</i>	1	
<i>Plantago asiatica</i>	1	39200.0
<i>Platycodon grandiflorum</i>	1	13320.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Polygala tenuifolia</i>	1	5800.0
<i>Polygonum multiflorum</i>	1	39840.0
<i>Polypodium vulgare</i>	1	
<i>Polystichum polyblepharum</i>	1	40000.0
<i>Portulaca oleracea</i>	1	162400.0
<i>Prunella vulgaris</i>	1	23800.0
<i>Prunus serotina</i>	1	84000.0
<i>Prunus persica</i>	1	96964.0
<i>Prunus dulcis</i>	1	17120.0
<i>Prunus domestica</i>	1	88400.0
<i>Prunus cerasus</i>	1	38554.0
<i>Prunus armeniaca</i>	1	60696.0
<i>Psidium guajava</i>	1	43316.0
<i>Psidium cattleianum</i>	1	31760.0
<i>Psophocarpus tetragonolobus</i>	1	52950.0
<i>Psoralea esculenta</i>	1	5600.0
<i>Pueraria pseudohirsuta</i>	1	22400.0
<i>Pueraria montana</i>	1	72100.0
<i>Pulsatilla chinensis</i>	1	28400.0
<i>Punica granatum</i>	2	37900.0
<i>Pyrus communis</i>	1	22500.0
<i>Quercus velutina</i>	1	16120.0
<i>Quercus stellata</i>	1	18480.0
<i>Quercus rubra</i>	1	35450.0
<i>Quercus robur</i>	1	
<i>Quercus phellos</i>	1	11760.0
<i>Quercus alba</i>	2	18392.0

Plants with Activity Synergy	Chemical Count	Total PPM
Quisqualis indica	1	39800.0
Raphanus sativus	1	323146.0
Rauvolfia vomitoria	2	
Rauvolfia tetraphylla	2	
Rauvolfia serpentina	1	
Rehmannia glutinosa	1	19460.0
Rheum rhabarbarum	1	132800.0
Rheum palmatum	1	43200.0
Rhizophora mangle	1	13000.0
Rhodymenia palmata	1	45400.0
Rhus glabra	1	29480.0
Rhus copallina	1	101000.0
Ribes uva-crispa	1	41660.0
Ribes rubrum	1	42500.0
Ribes nigrum	1	42220.0
Rosa laevigata	1	26000.0
Rosa canina	1	29270.0
Rosmarinus officinalis	1	22568.0
Rubia cordifolia	1	25200.0
Rubus idaeus	1	26800.0
Rubus chingii	1	25000.0
Rubus chamaemorus	1	23750.0
Rumex crispus	1	24400.0
Rumex acetosa	1	80000.0
Ruscus aculeatus	1	18680.0
Salix alba	1	19660.0
Salvia officinalis	1	72660.0



Plants with Activity Synergy	Chemical Count	Total PPM
Salvia miltiorrhiza	1	23400.0
Sambucus nigra	1	
Sambucus canadensis	1	28712.0
Santalum acuminatum	1	
Sassafras albidum	1	68680.0
Satureja hortensis	1	23098.0
Schisandra chinensis	1	27700.0
Schizonepeta tenuifolia	1	21200.0
Scrophularia buergeriana	1	29000.0
Scutellaria lateriflora	1	43600.0
Scutellaria baicalensis	1	18240.0
Secale cereale	1	
Sechium edule	1	126640.0
Senna occidentalis	1	19120.0
Senna obtusifolia	1	18400.0
Senna alexandrina	1	
Serenoa repens	1	
Sesamum indicum	1	15328.0
Siegesbeckia orientalis	1	40800.0
Silybum marianum	1	16660.0
Simmondsia chinensis	1	13220.0
Sinapis alba	1	18260.0
Sinomenium acutum	1	11120.0
Smilax spp	1	19060.0
Smilax officinalis	1	
Solanum tuberosum	1	60000.0
Solanum melongena	1	64000.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Sophora subprostrata</i>	1	1640.0
<i>Sophora secundiflora</i>	1	2300.0
<i>Sophora japonica</i>	1	21320.0
<i>Sophora angustifolia</i>	1	9480.0
<i>Sorbus aucubaria</i>	1	26150.0
<i>Spinacia oleracea</i>	1	138154.0
<i>Spirulina</i> spp.	1	
<i>Spirulina pratensis</i>	1	3200.0
<i>Spondias tuberosa</i>	1	33400.0
<i>Spondias purpurea</i>	1	22310.0
<i>Spondias pinnata</i>	1	
<i>Spondias mombin</i>	1	
<i>Spondias dulcis</i>	1	53000.0
<i>Stachys officinalis</i>	1	
<i>Stellaria media</i>	1	26800.0
<i>Stevia rebaudiana</i>	1	35600.0
<i>Symphoricarpos orbiculatus</i>	1	38720.0
<i>Symphytum officinale</i>	1	31800.0
<i>Syzygium malaccense</i>	1	
<i>Syzygium jambos</i>	1	
<i>Syzygium cumini</i>	1	
<i>Syzygium aromaticum</i>	2	32400.0
<i>Tabebuia heptaphylla</i>	1	3700.0
<i>Tamarindus indica</i>	1	80178.0
<i>Tanacetum parthenium</i>	1	
<i>Taraxacum officinale</i>	1	144569.0
<i>Taraxacum mongolicum</i>	1	45600.0

Plants with Activity Synergy	Chemical Count	Total PPM
Tephrosia purpurea	1	67600.0
Terminalia catappa	1	16330.0
Tetragonia tetragonioides	1	43330.0
Tetrapanax papyrifera	1	6080.0
Thevetia peruviana	1	
Thevetia neriifolia	1	
Thymus vulgaris	1	37964.0
Trachyspermum ammi	1	30022.0
Tragopogon porrifolius	1	33928.0
Tribulus terrestris	1	
Trichosanthes anguina	1	12600.0
Trifolium pratense	1	93400.0
Trigonella foenum-graecum	1	11220.0
Triticum aestivum	1	102800.0
Turnera diffusa	1	15520.0
Tussilago farfara	1	36400.0
Ulmus rubra	1	5420.0
Urtica dioica	1	54720.0
Vaccinium vitis-idaea	1	12400.0
Vaccinium myrtillus	1	25190.0
Vaccinium macrocarpon	1	13554.0
Vaccinium corymbosum	1	11718.0
Valeriana officinalis	1	20600.0
Valerianella radicata	1	
Valerianella locusta	1	
Verbascum thapsus	1	26400.0
Viburnum opulus	1	14720.0

Plants with Activity Synergy	Chemical Count	Total PPM
Vicia faba	1	31660.0
Vigna unguiculata	1	158734.0
Vigna radiata	1	64524.0
Vigna mungo	1	179580.0
Vigna angularis	1	28974.0
Vigna aconitifolia	1	28460.0
Viscum album	1	24400.0
Vitis vinifera	1	89480.0
Xanthosoma sagittifolium	1	78200.0
Yucca baccata	1	320.0
Zea mays	1	47300.0
Zingiber officinale	1	50158.0
Zizyphus spina-christi	1	10600.0
Zizyphus jujuba	1	24070.0